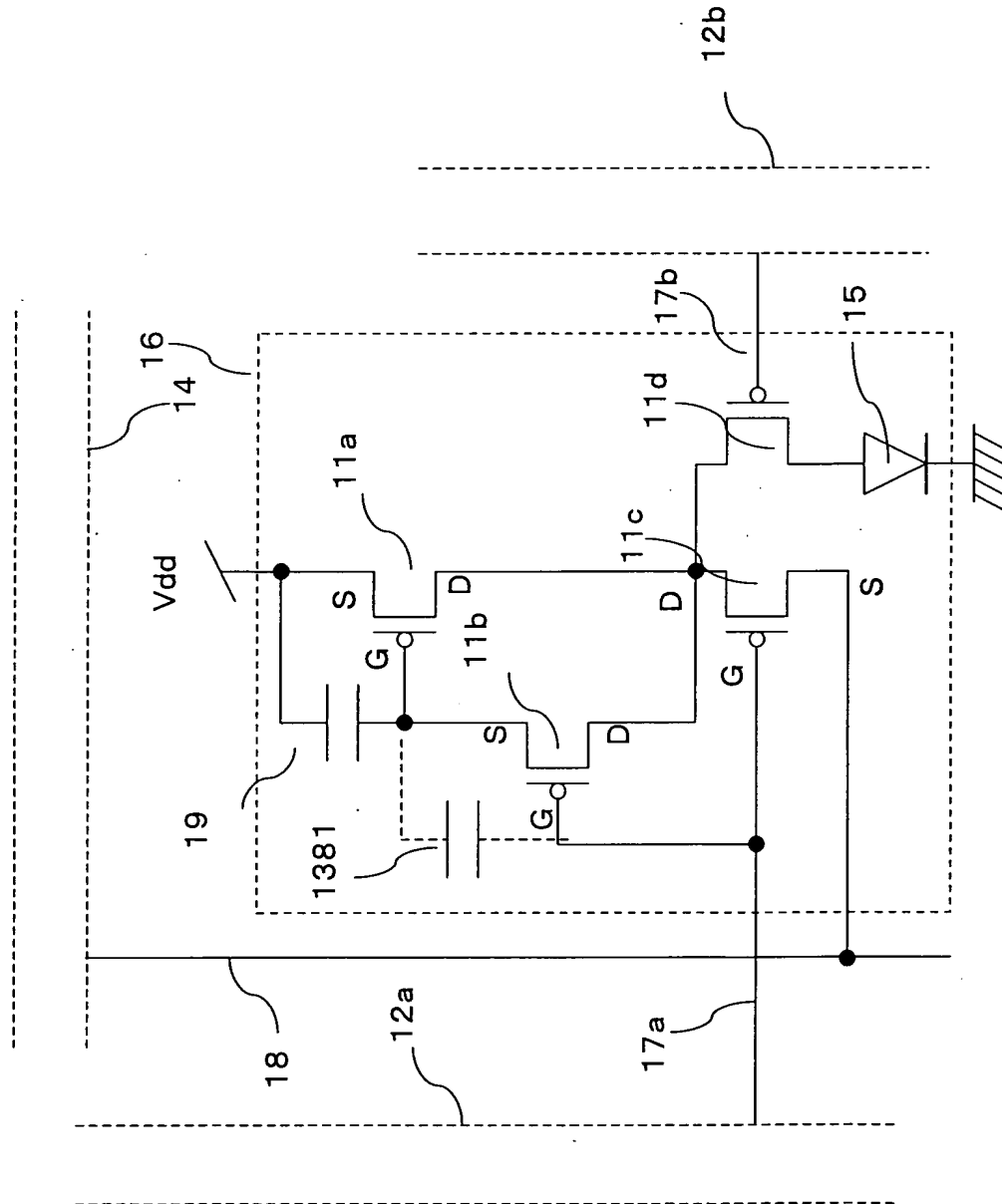


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Fig. 1



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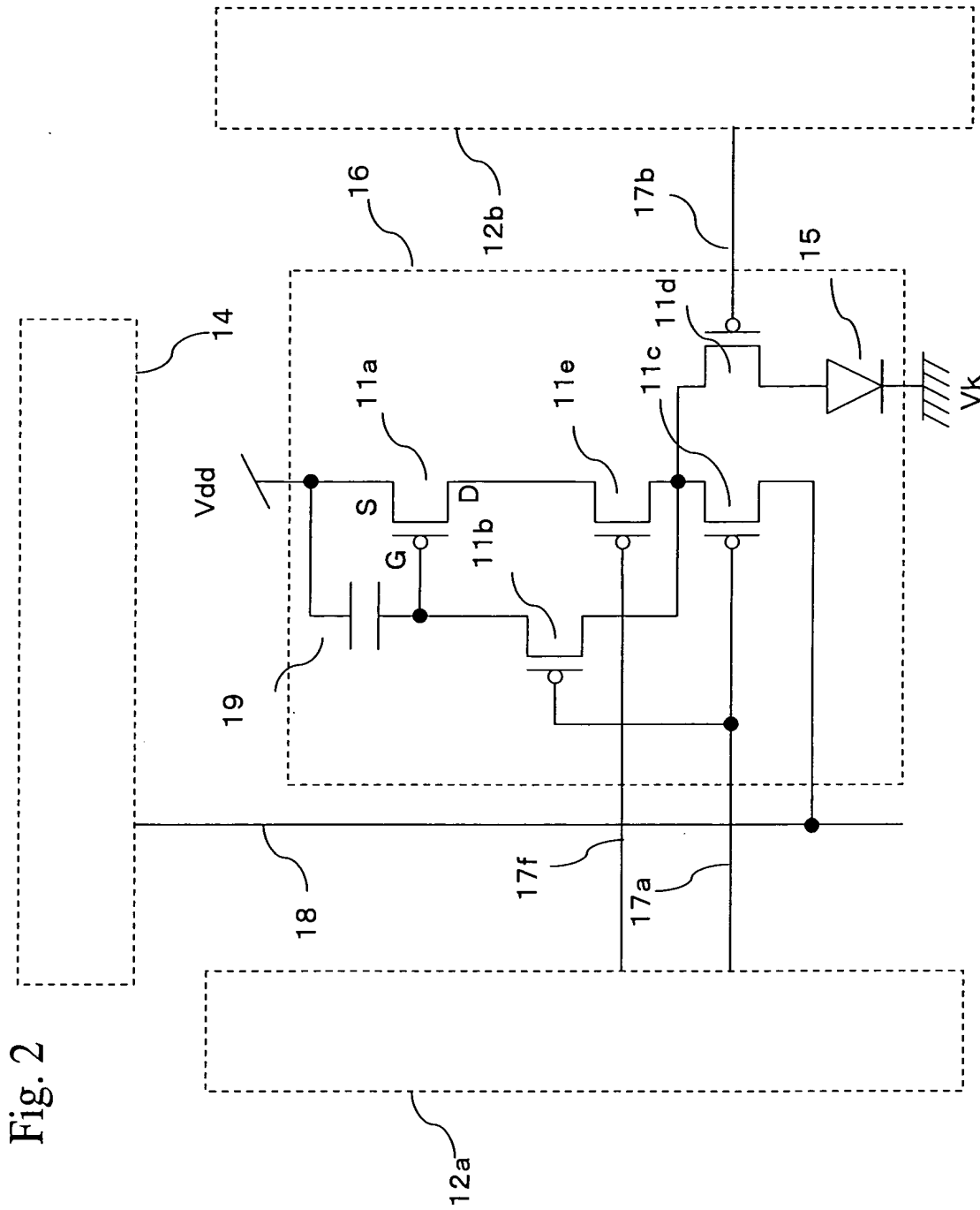
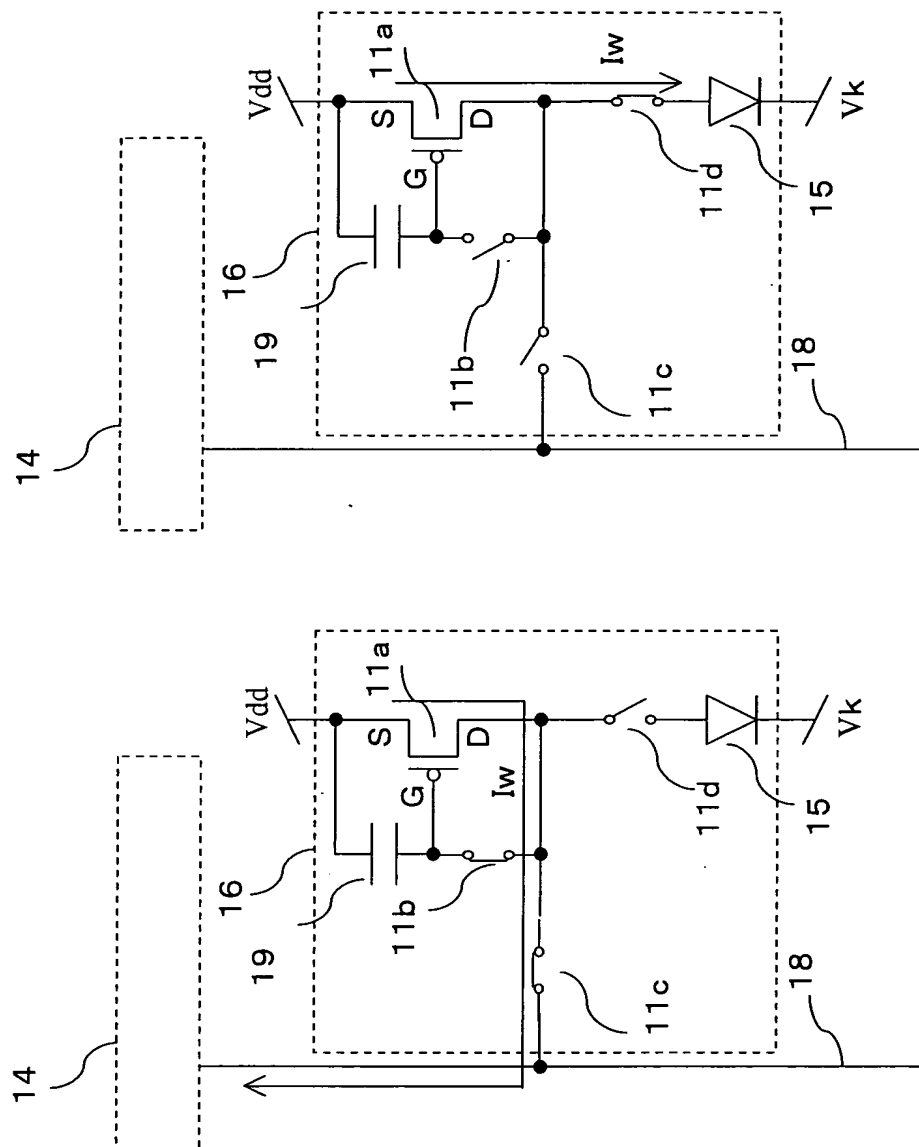


Fig. 2

Fig. 3 (b)



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Fig. 4

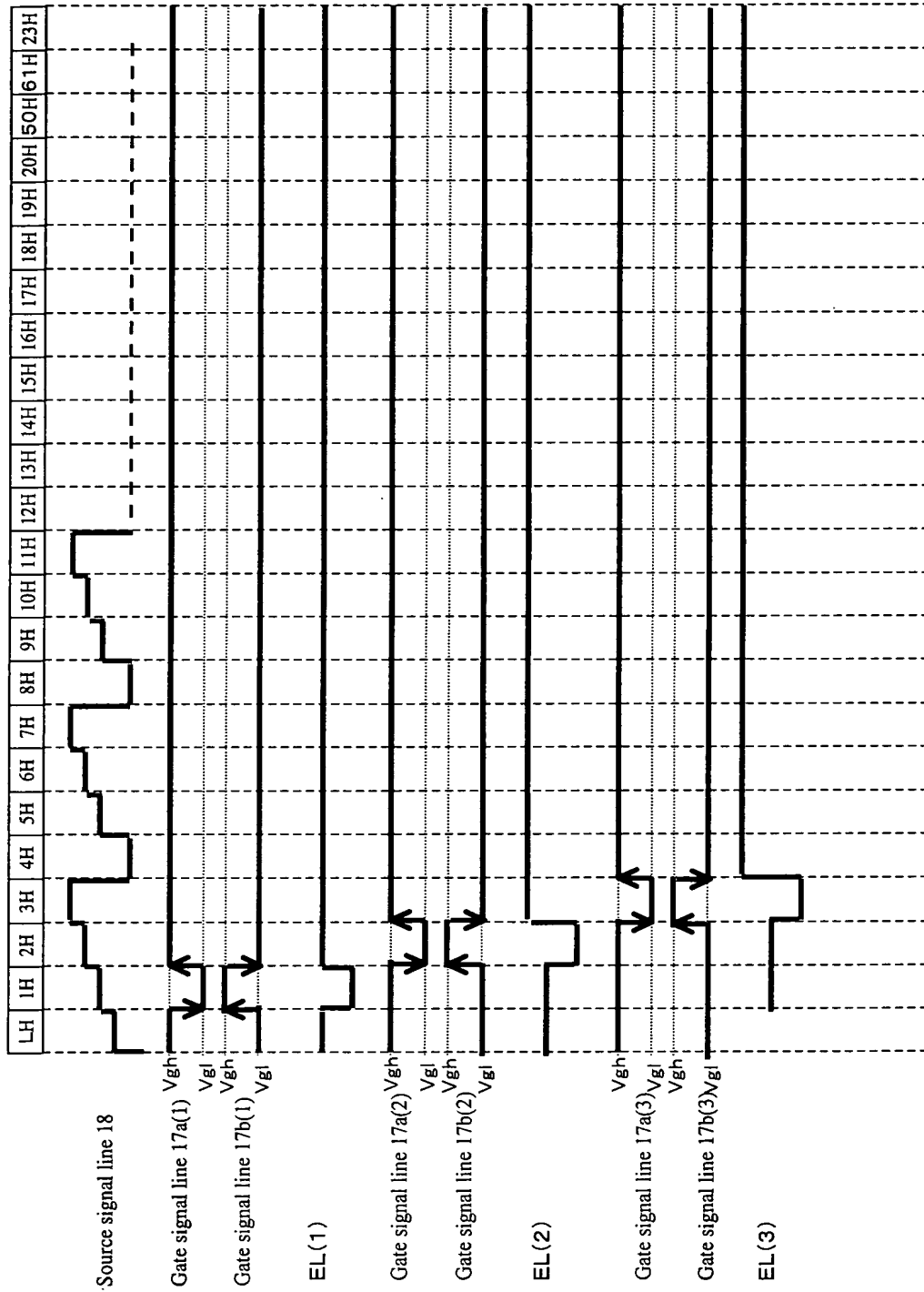
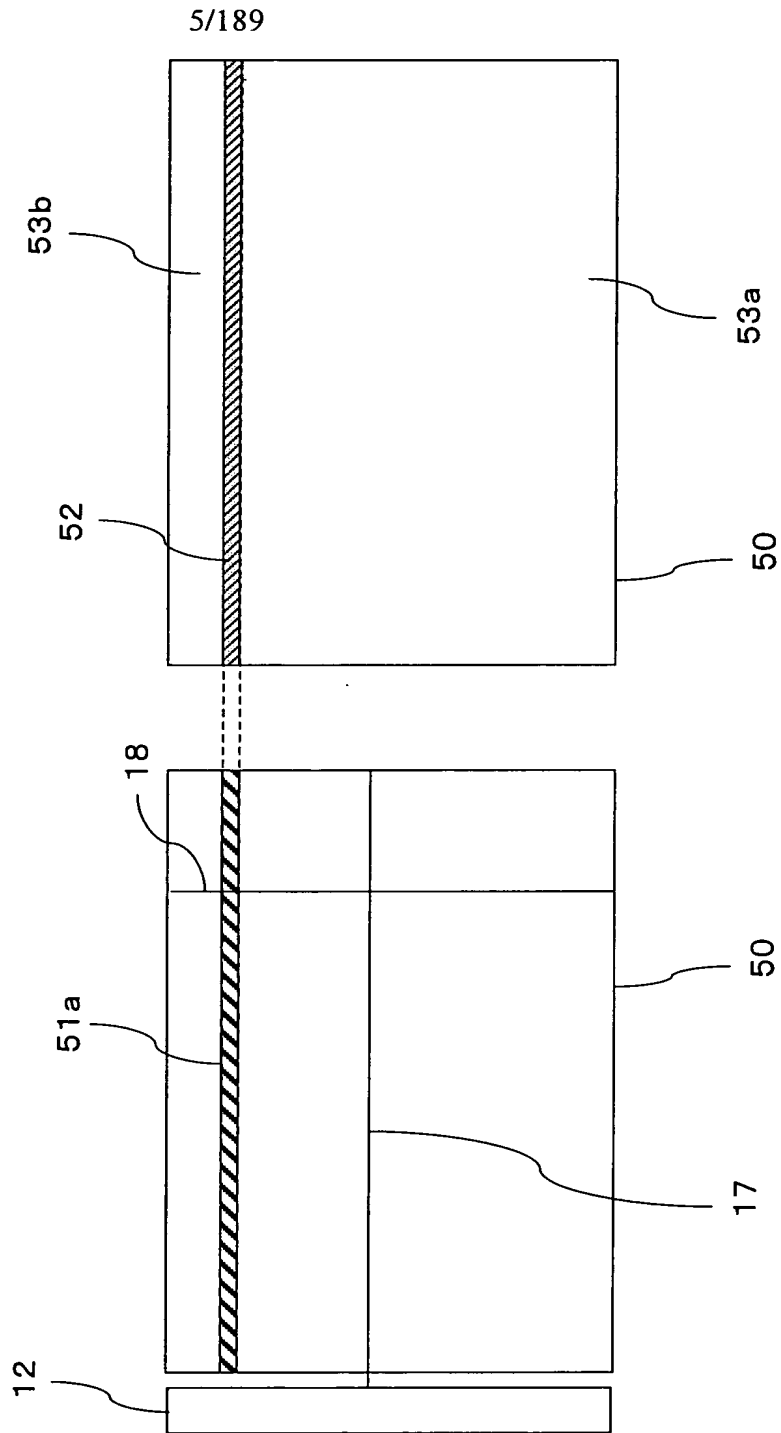
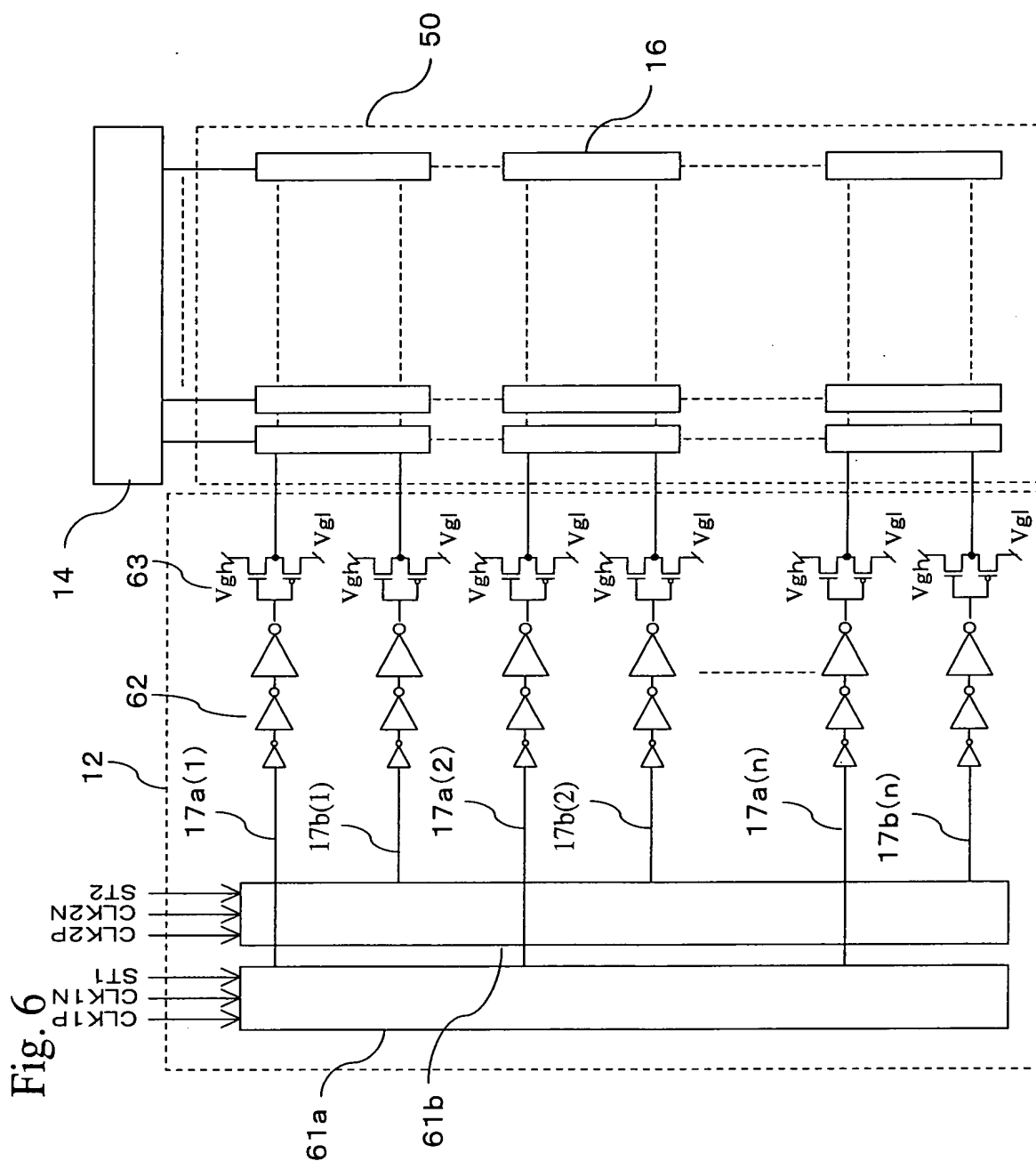
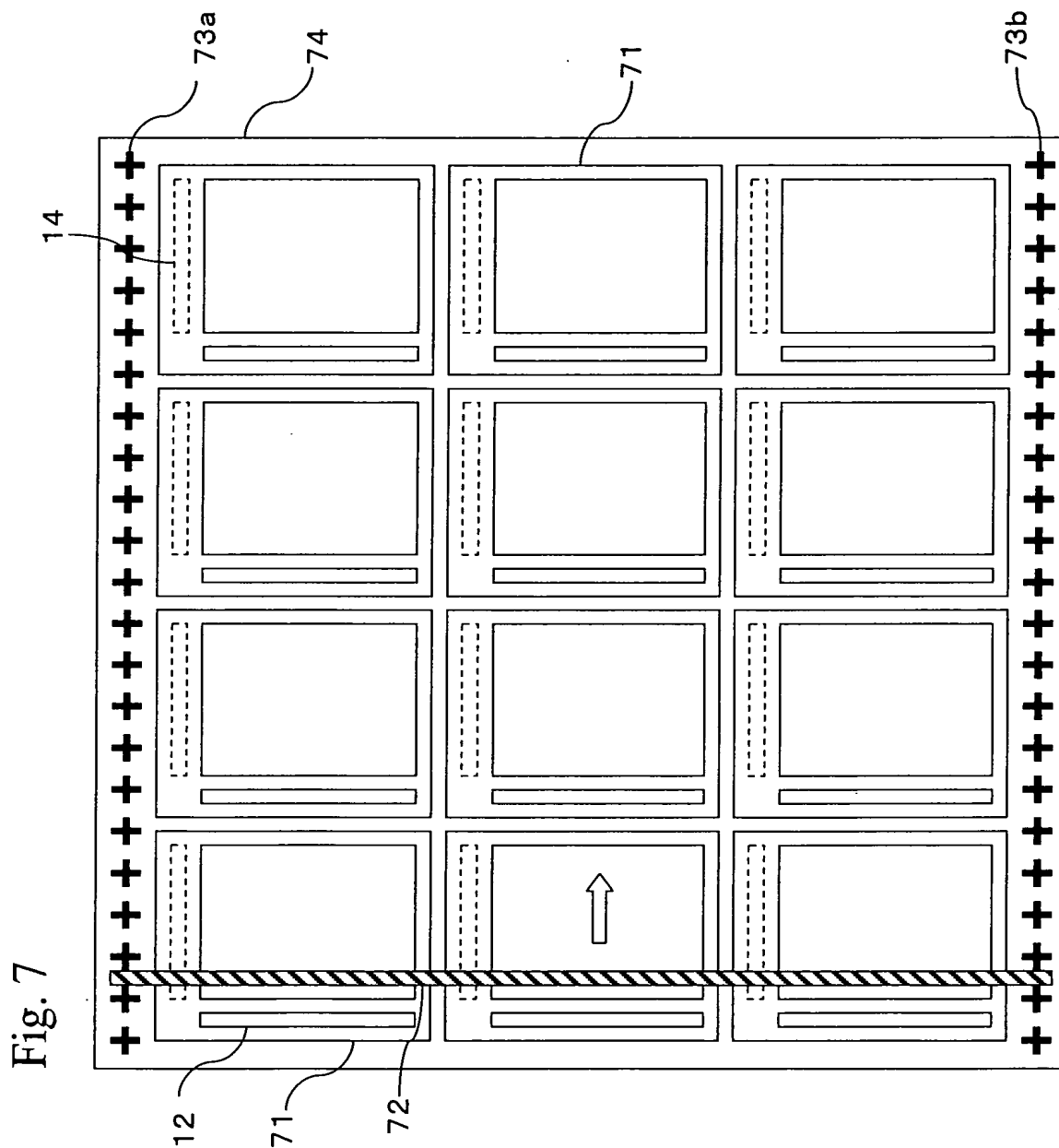


Fig. 5(a)

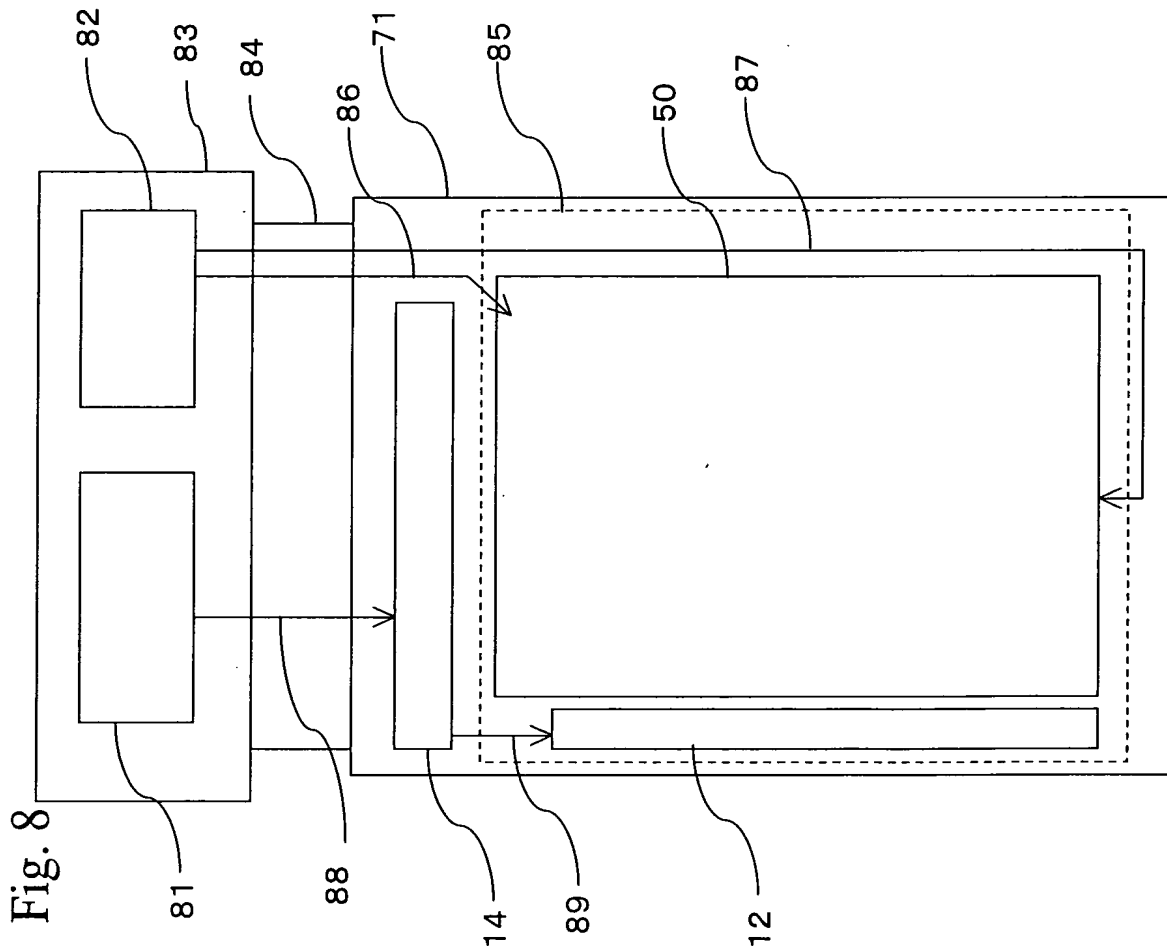




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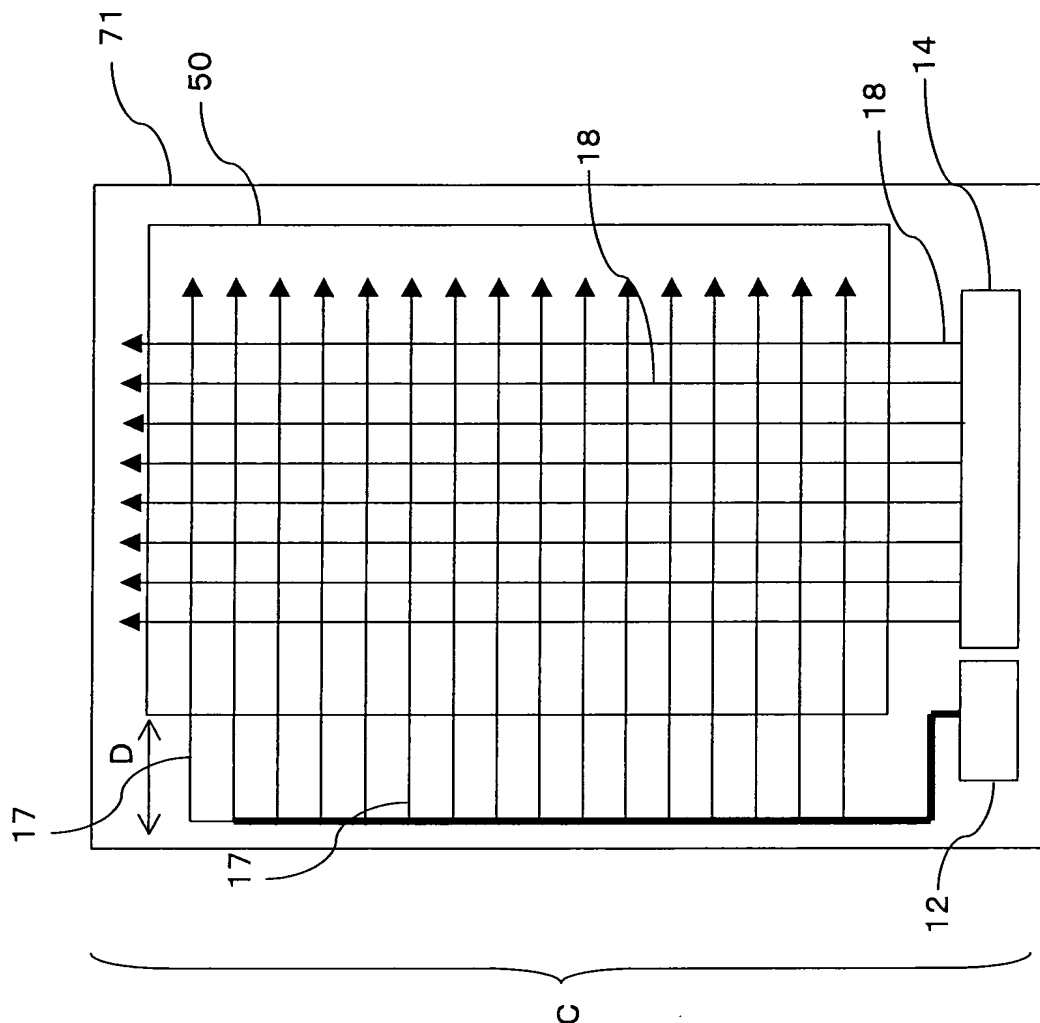


Fig. 9

Fig. 10

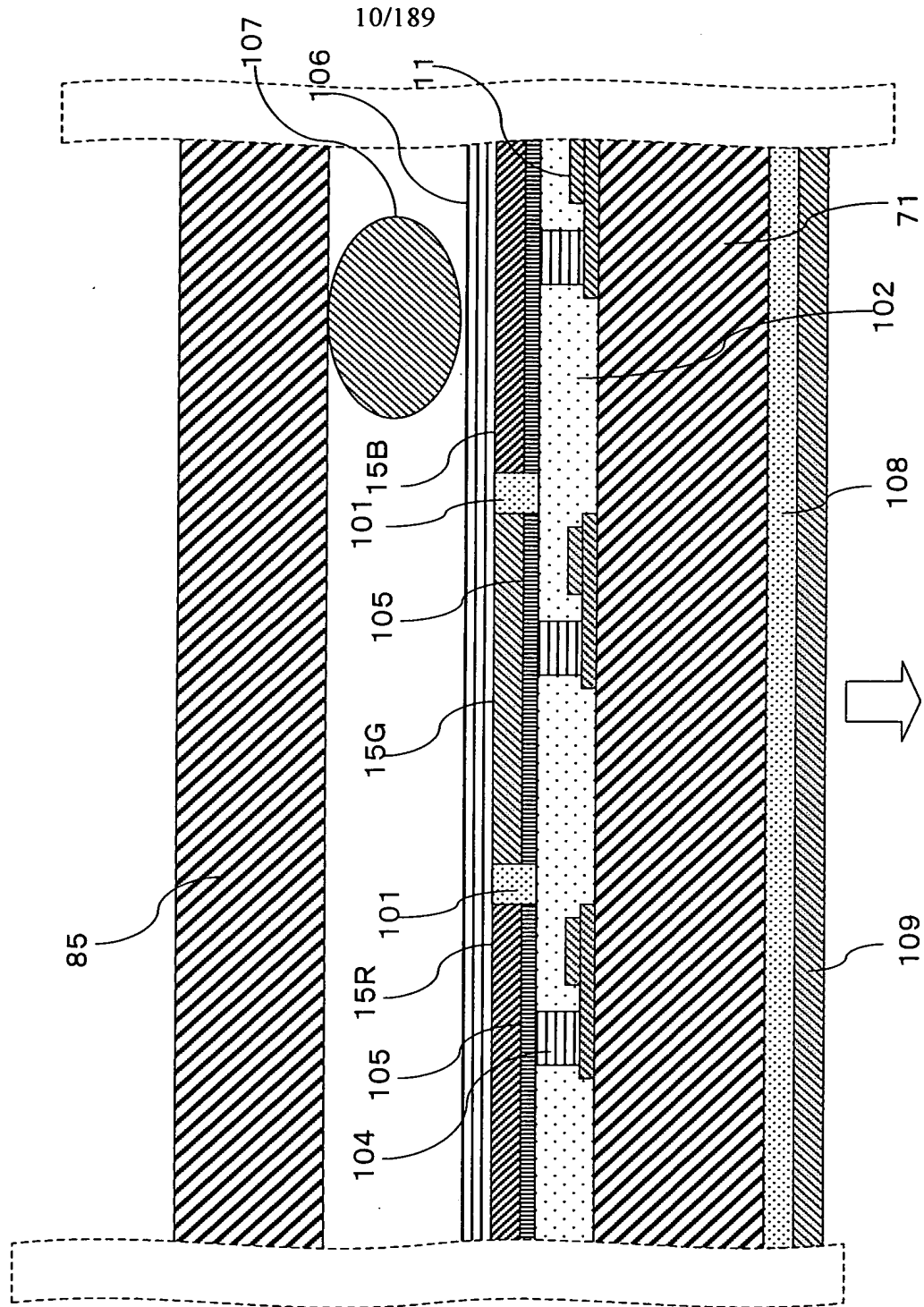
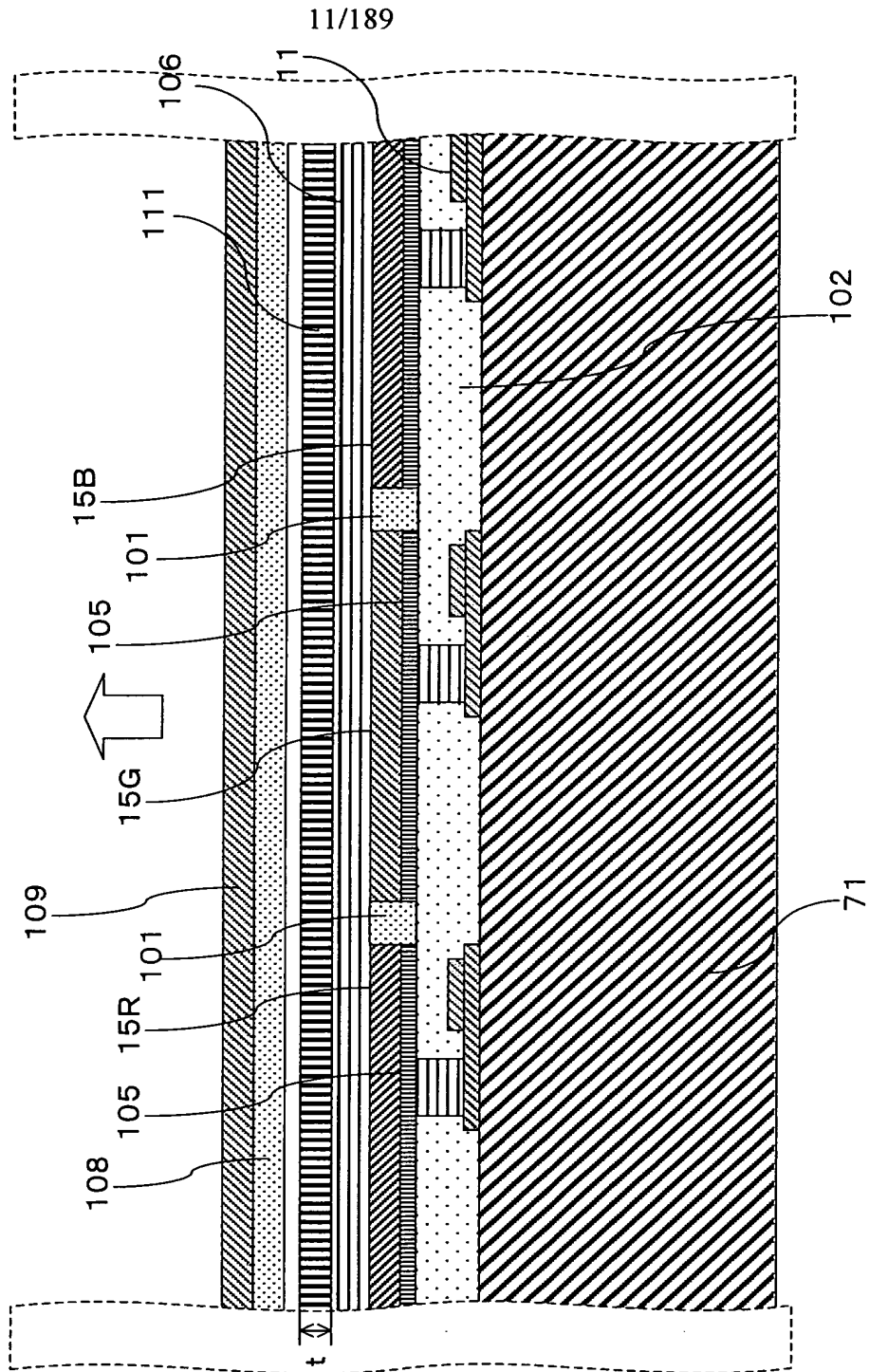


Fig. 11



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Fig. 12

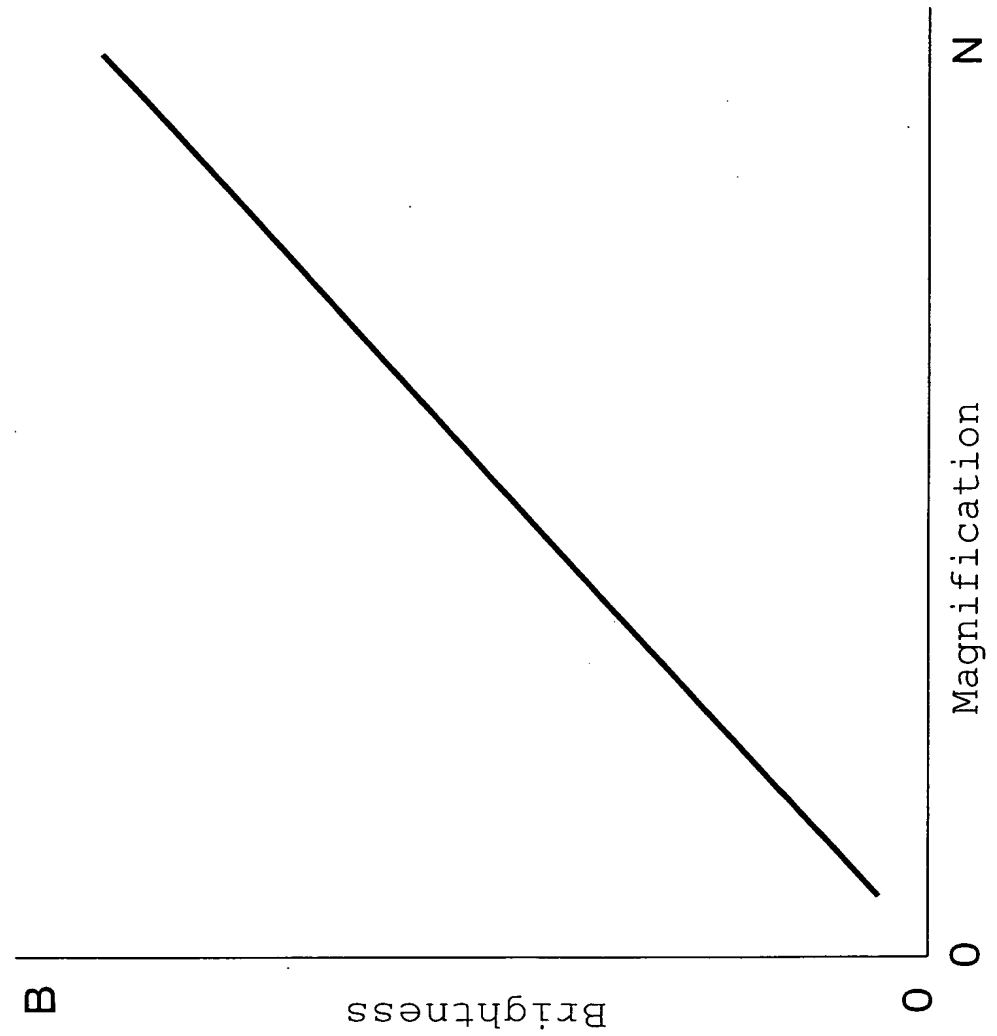


Fig. 13(a)

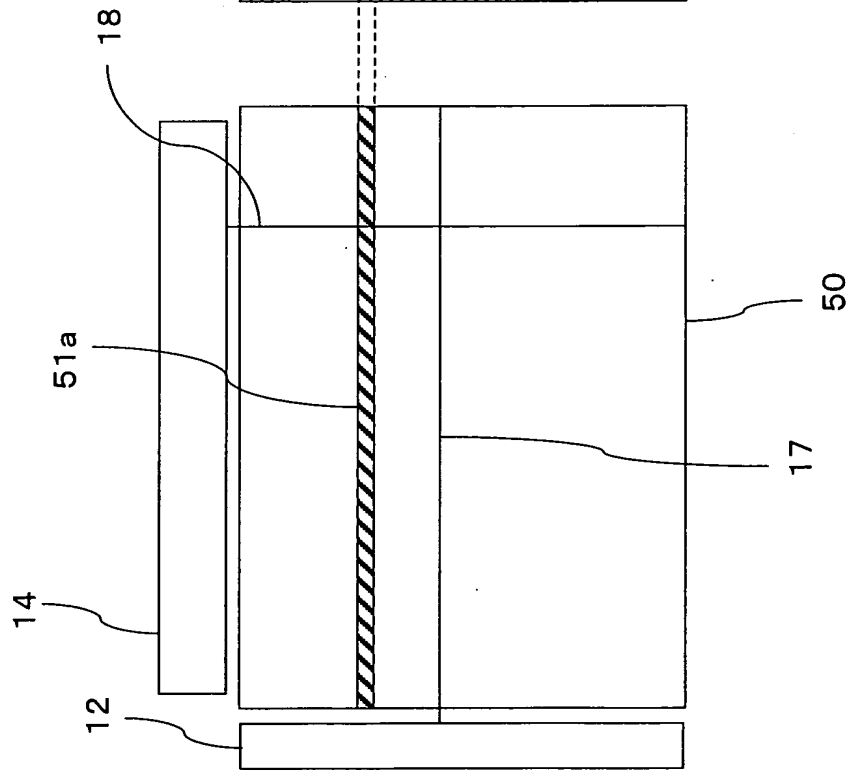
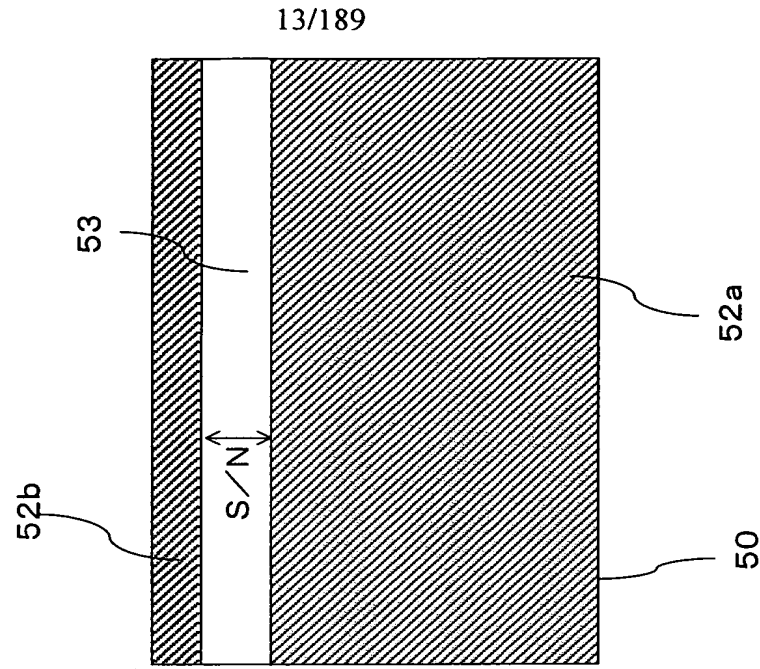
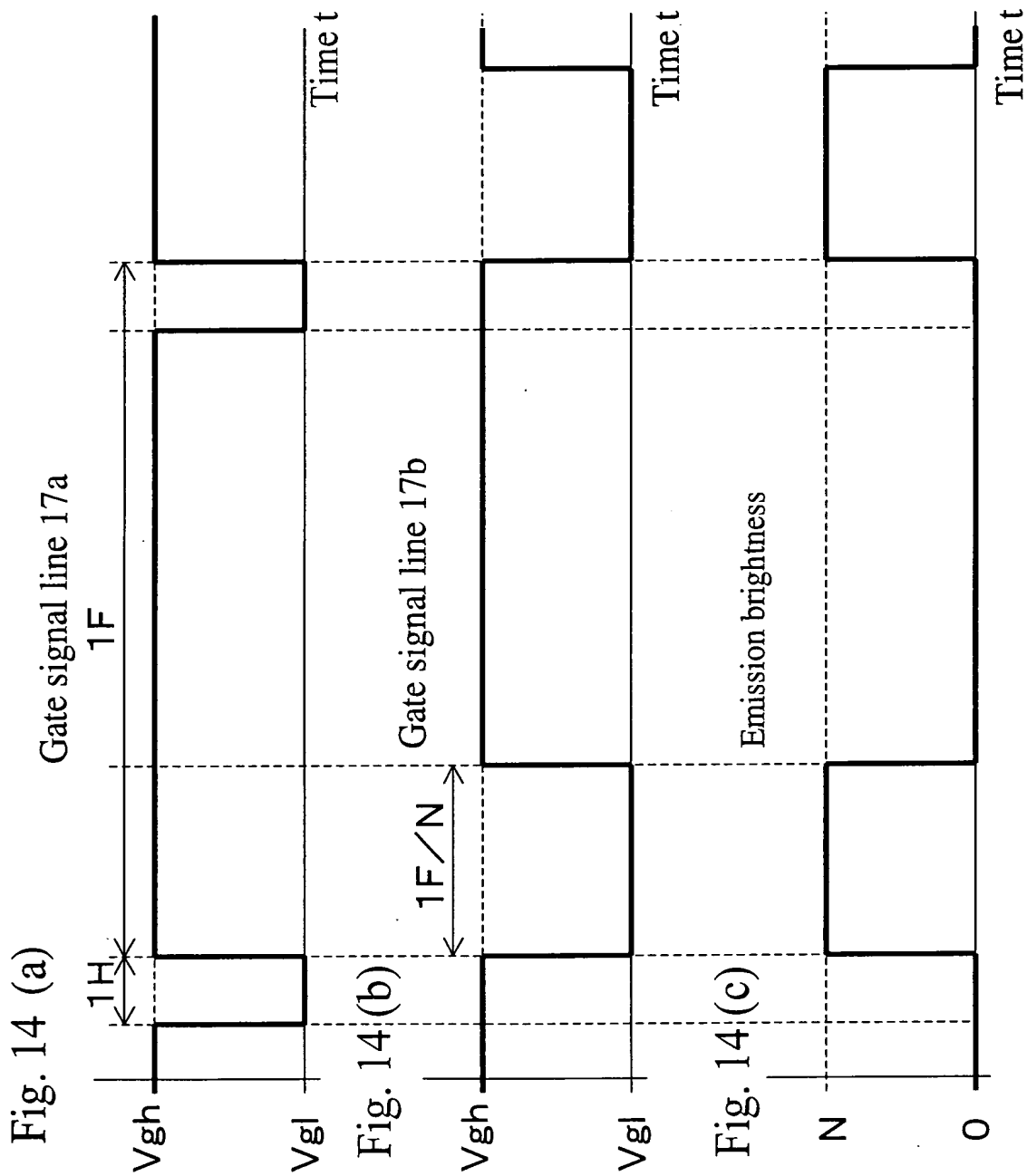


Fig. 13(b)



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Fig. 15

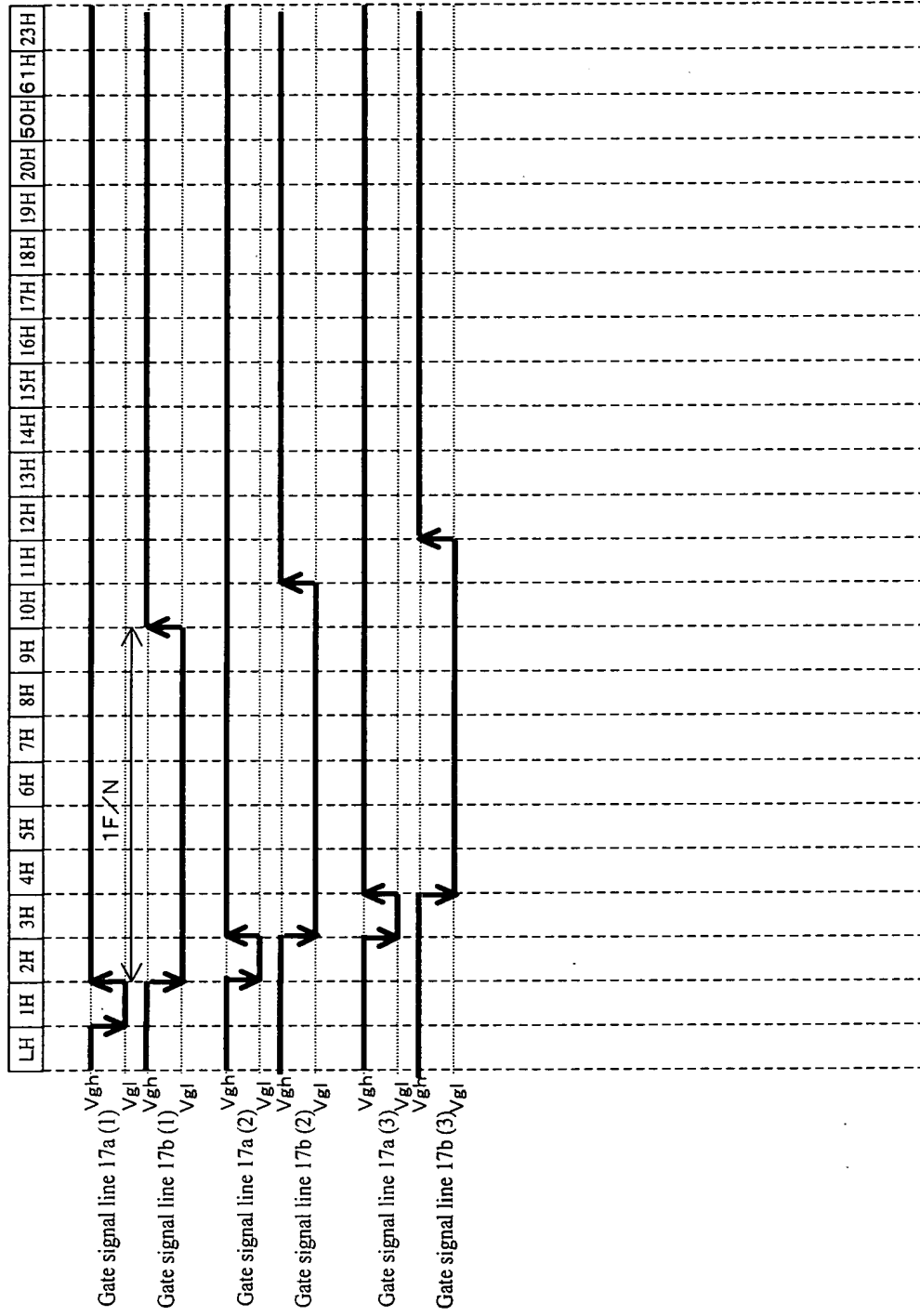


Fig. 16(a)

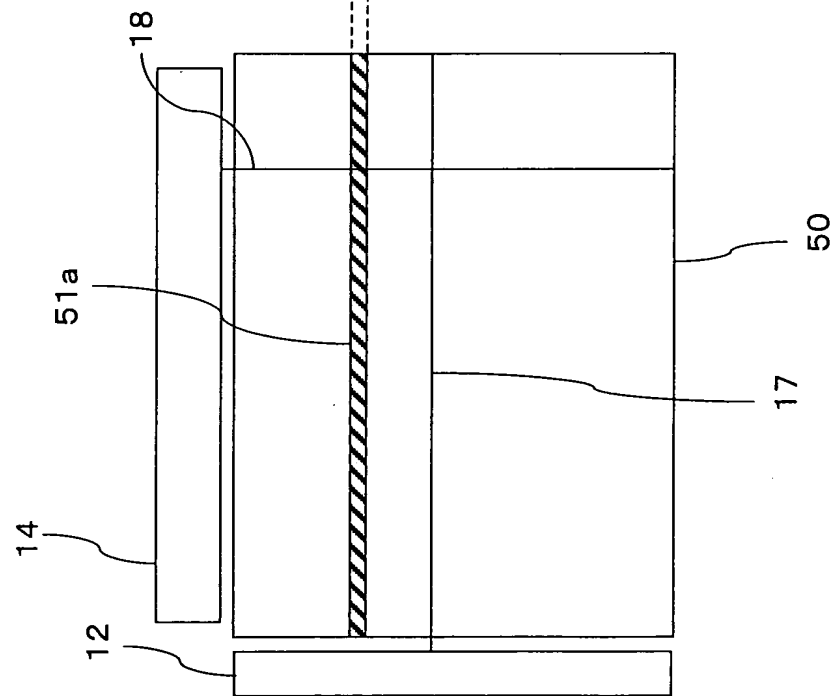
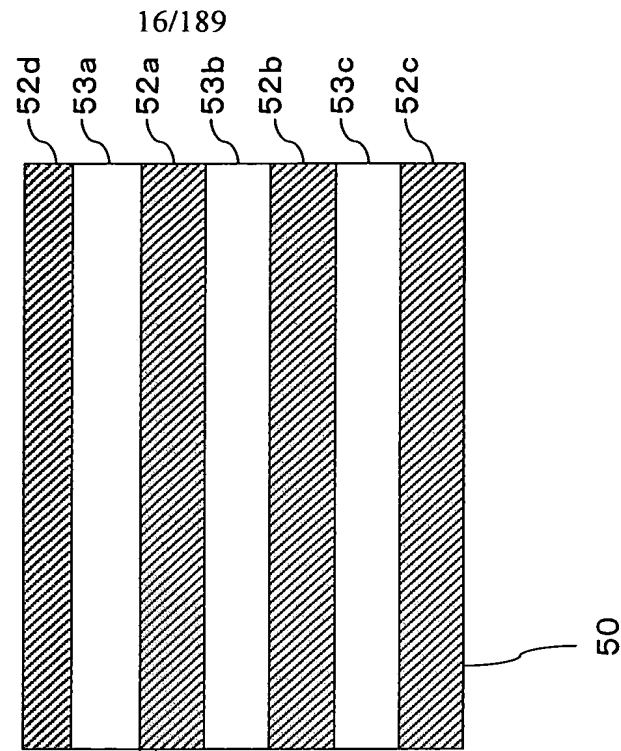


Fig. 16 (b)



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Fig. 17(a)

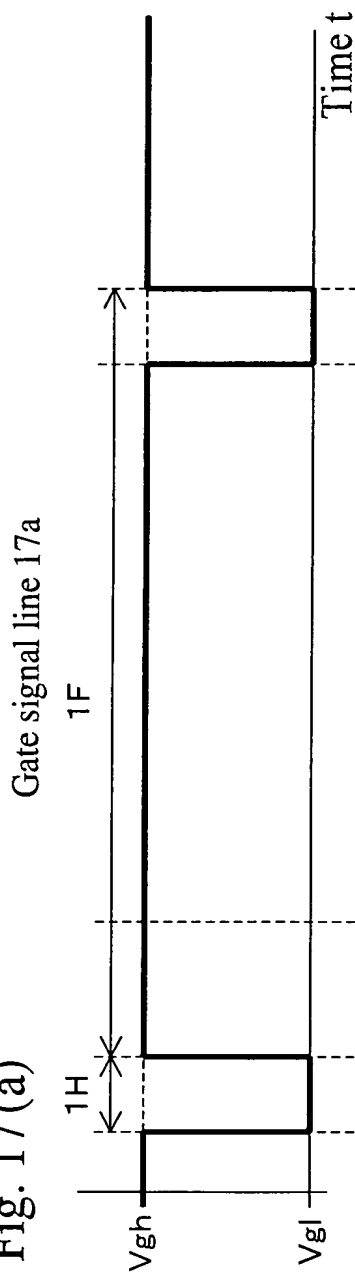


Fig. 17(b)

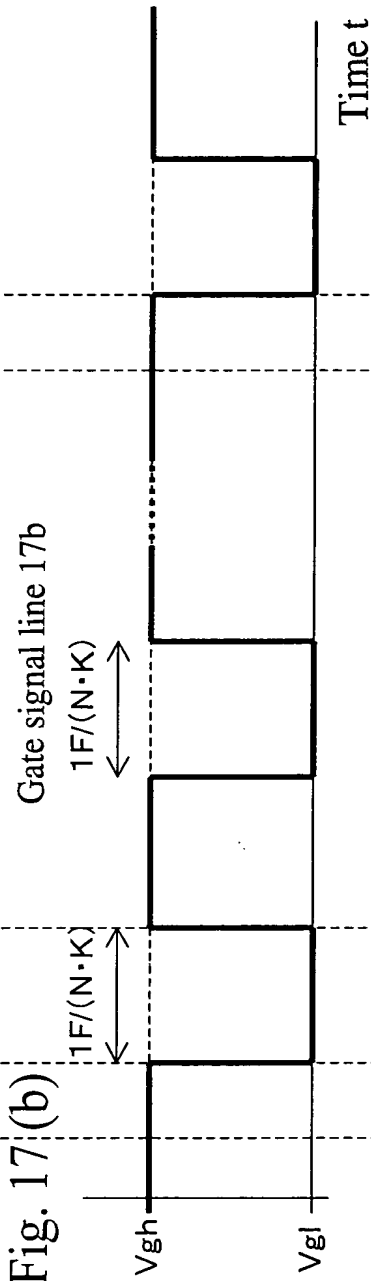
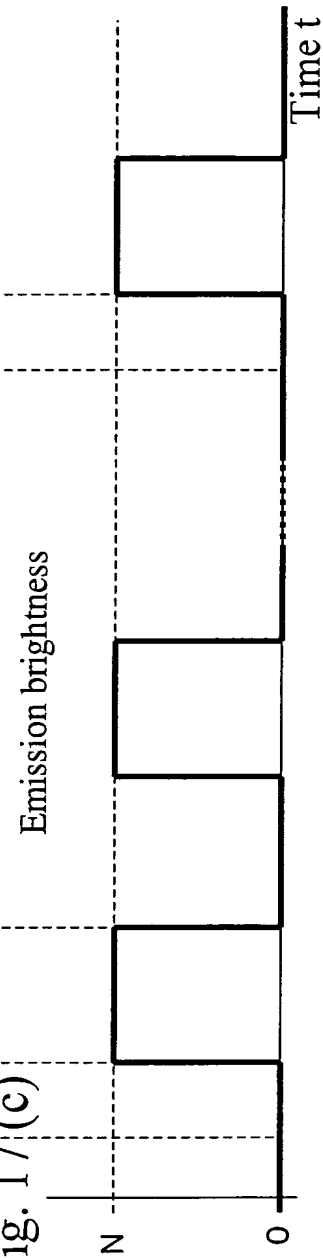
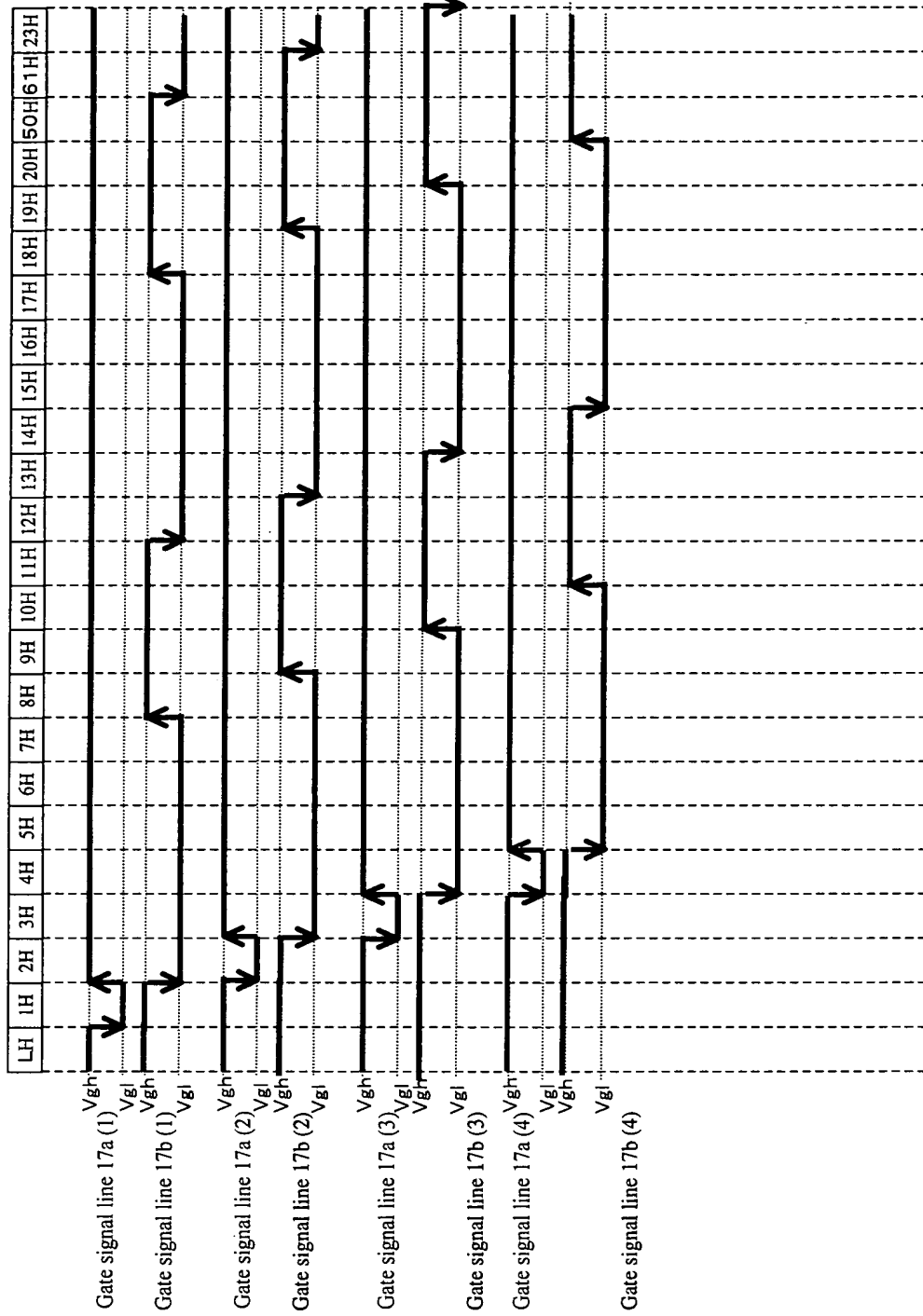


Fig. 17(c)





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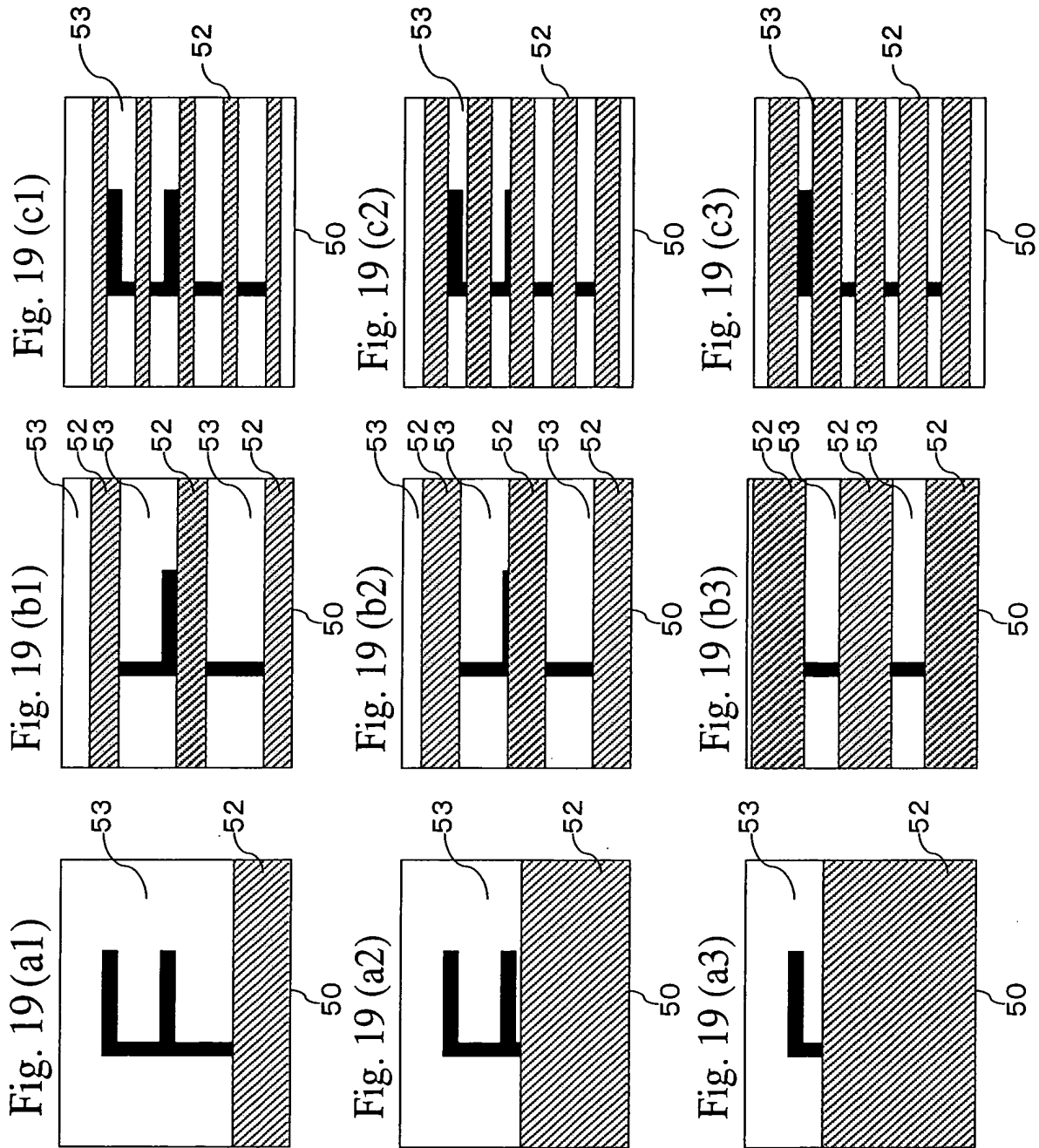


Fig. 20(a)

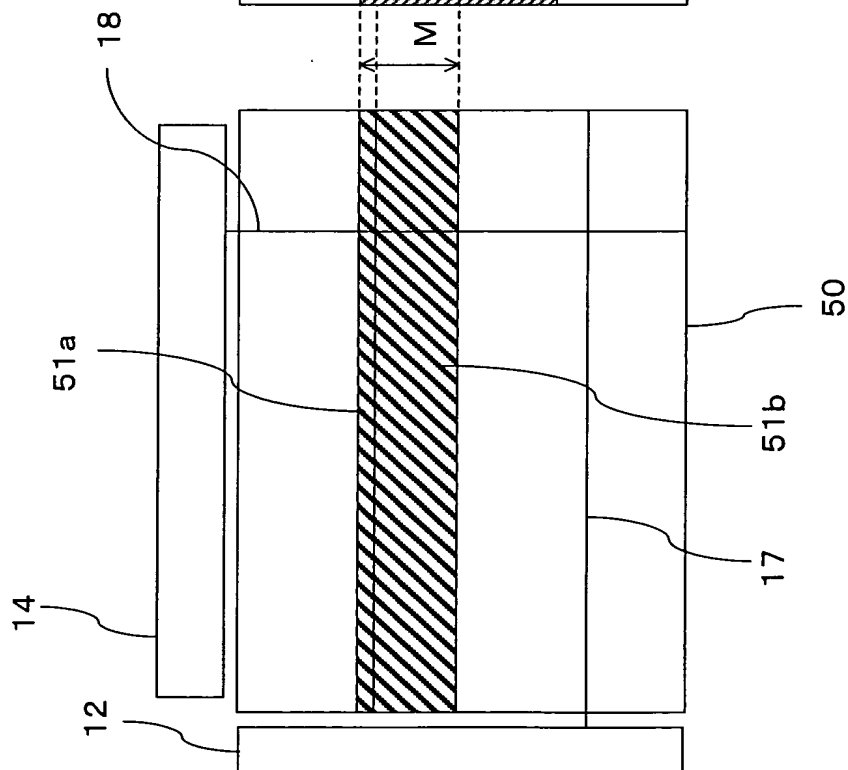
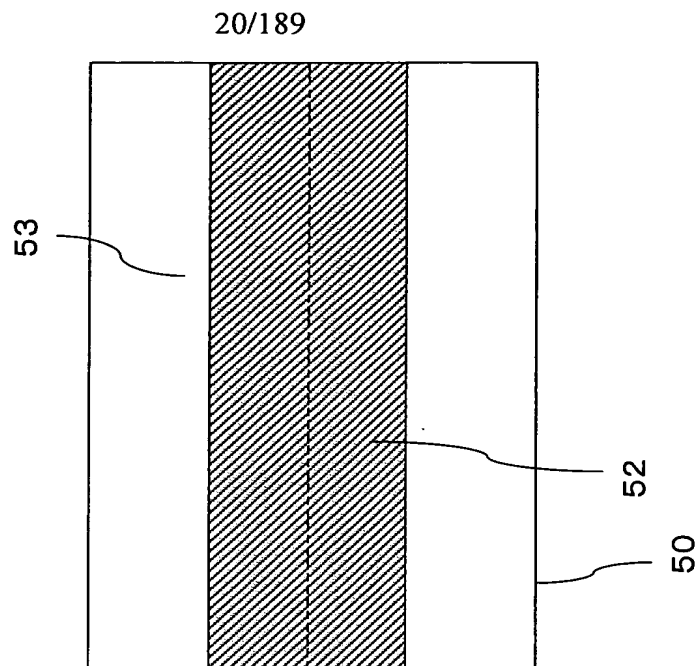


Fig. 20(b)



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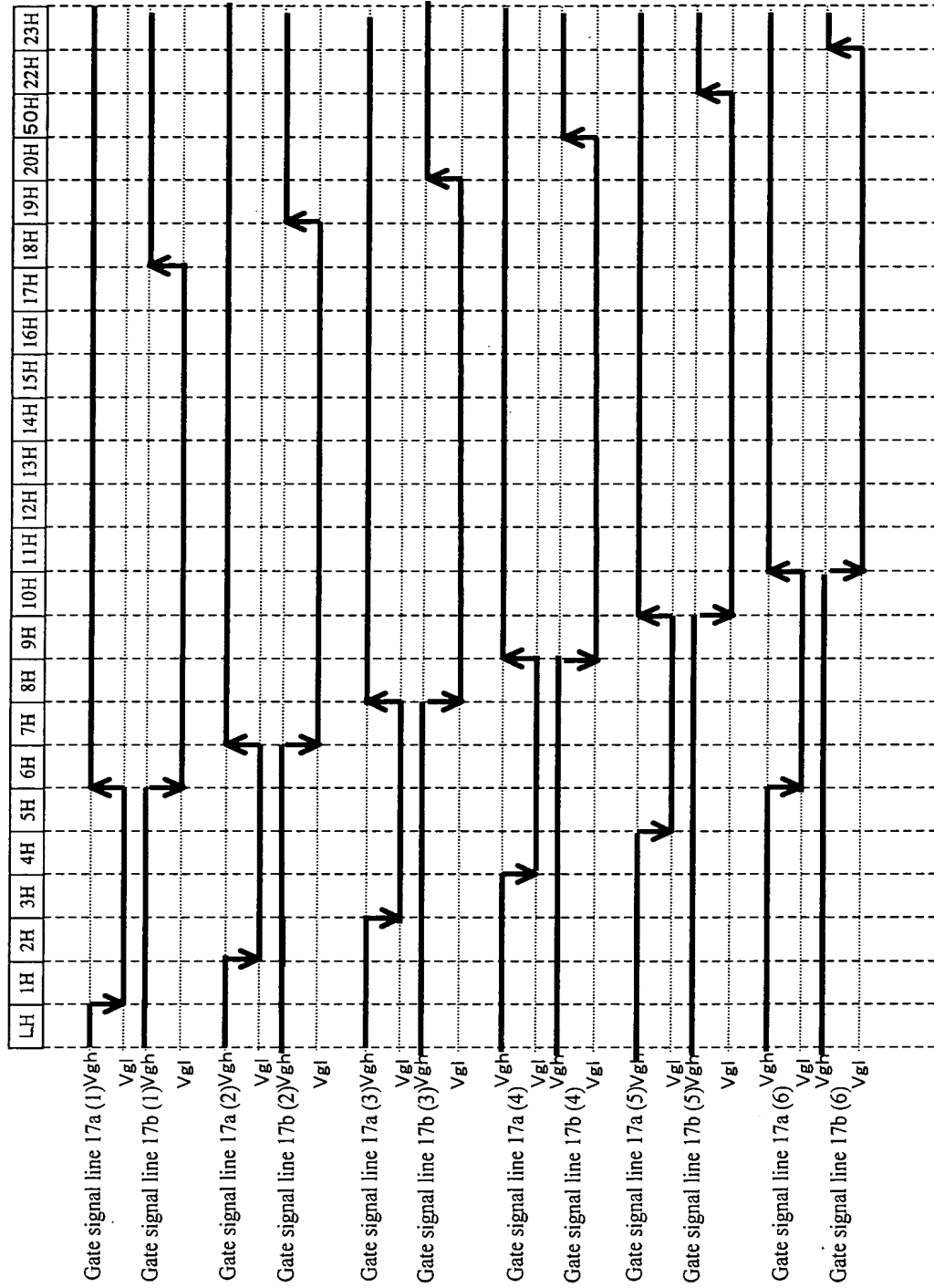


Fig. 22(a)

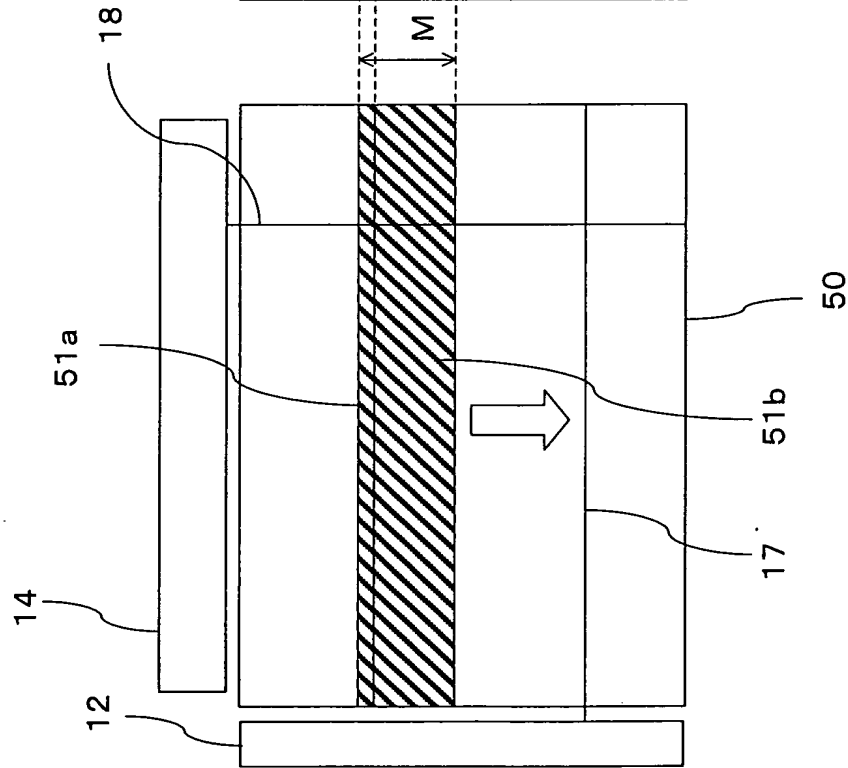
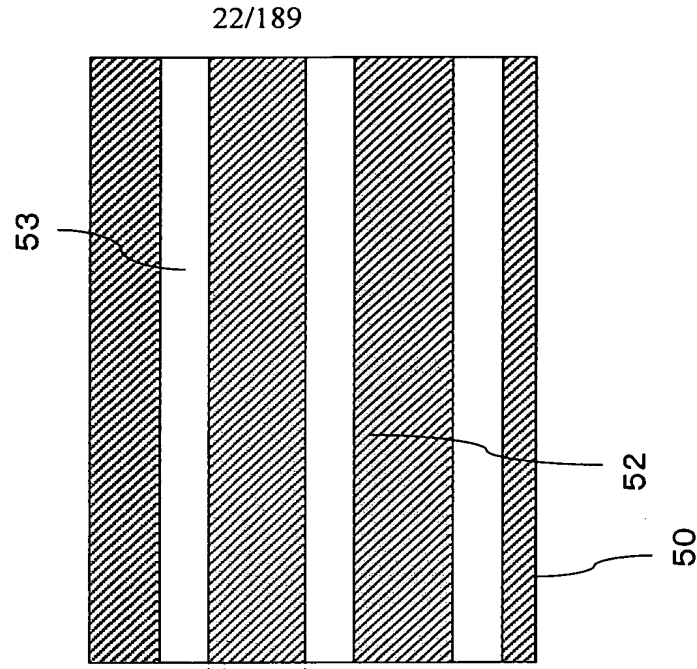


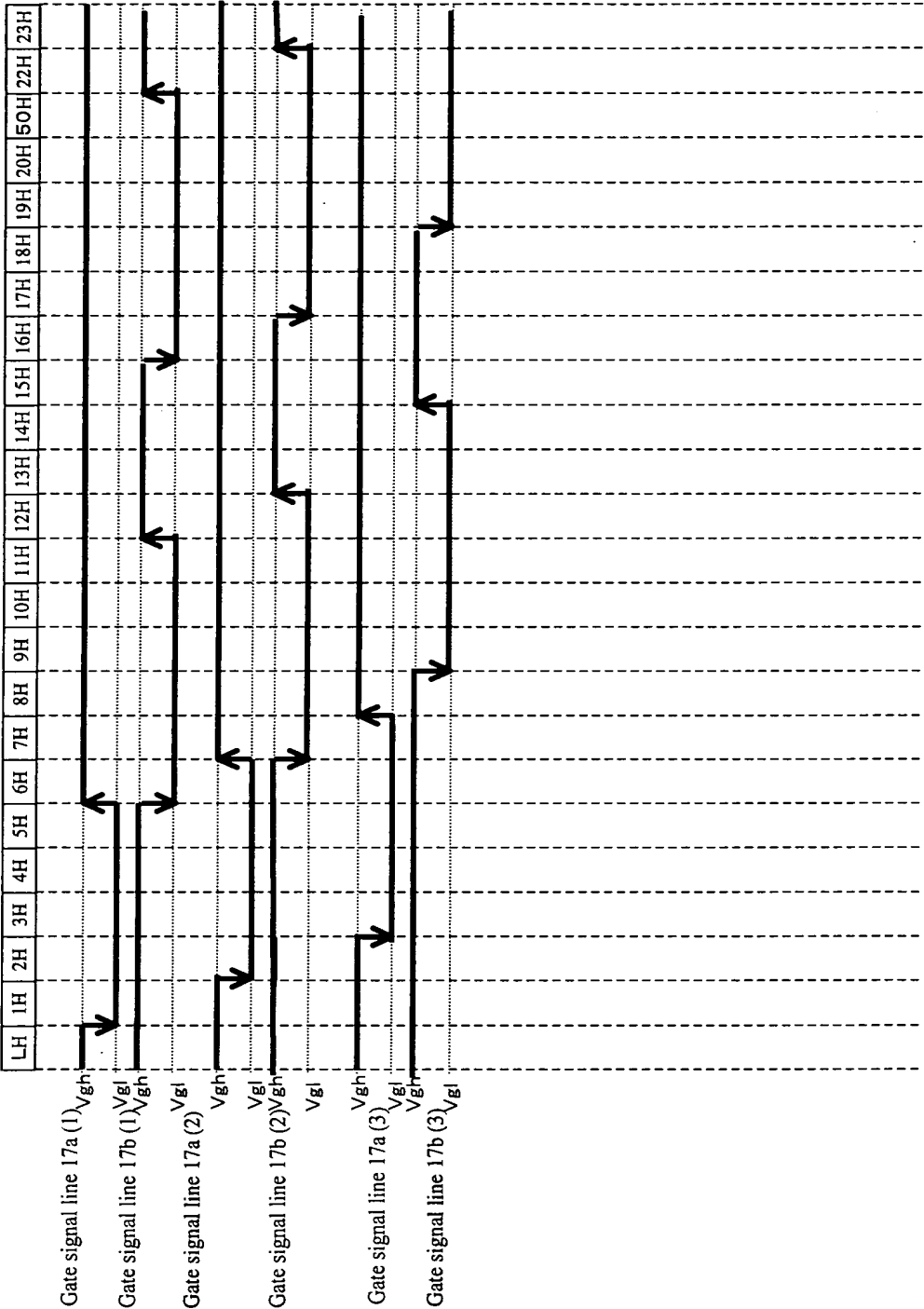
Fig. 22(b)



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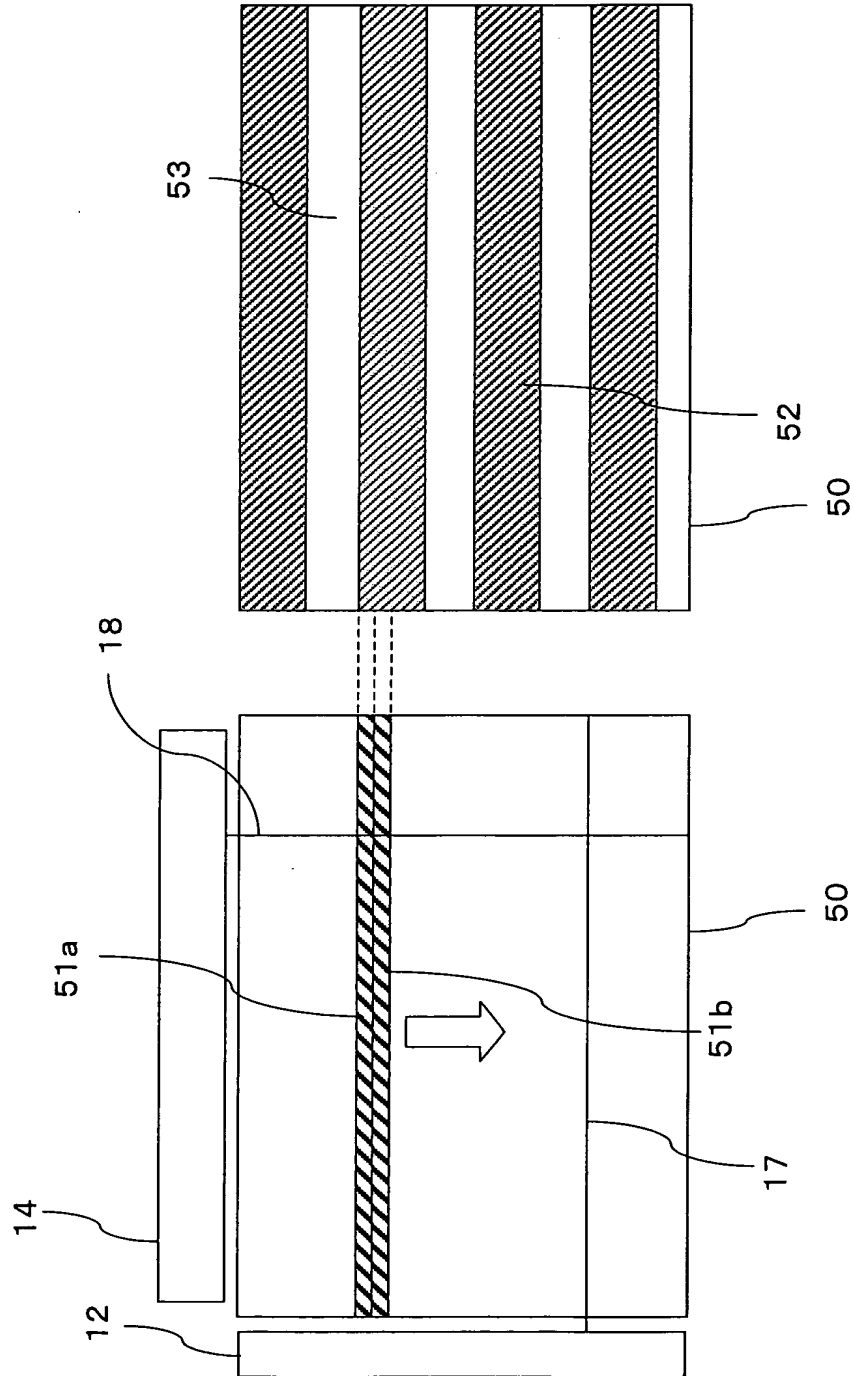
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Fig. 23

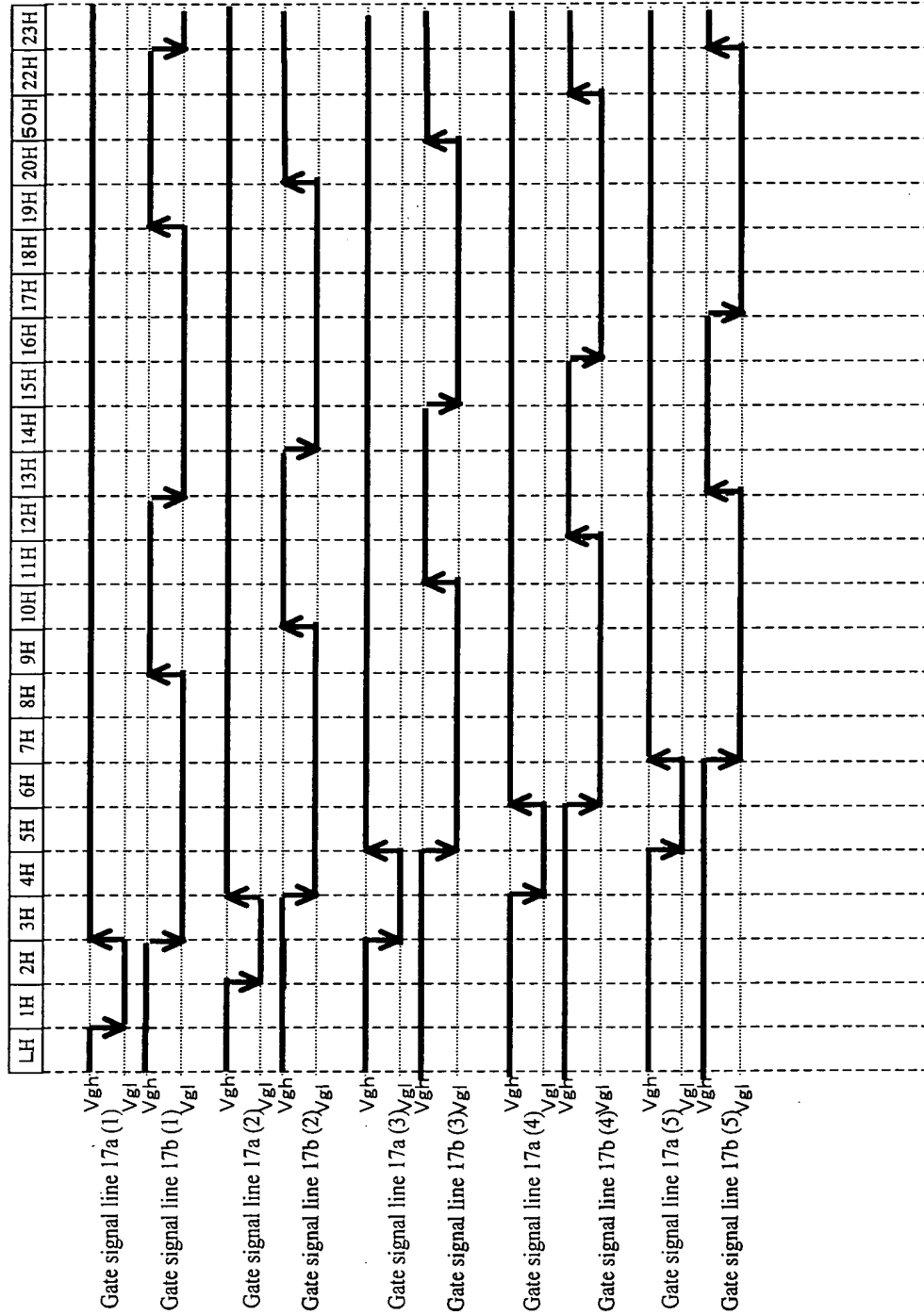


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Fig. 24 (b)







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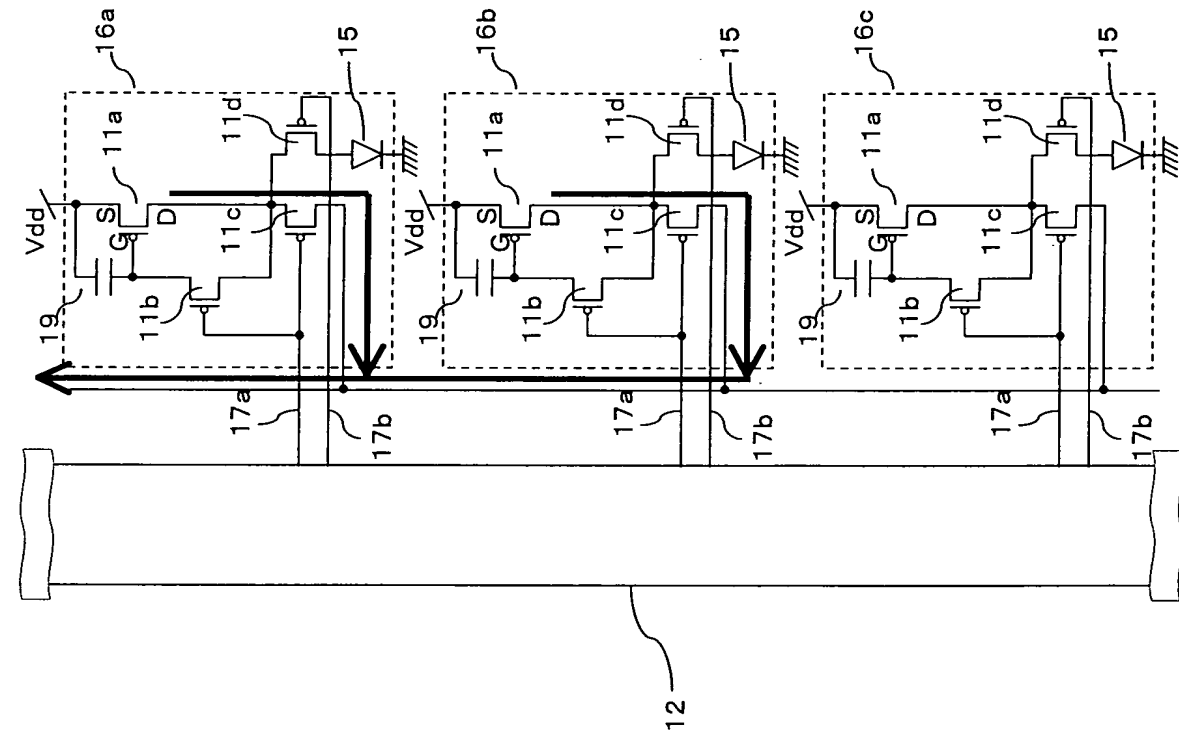


Fig. 26

Fig. 27 (a)

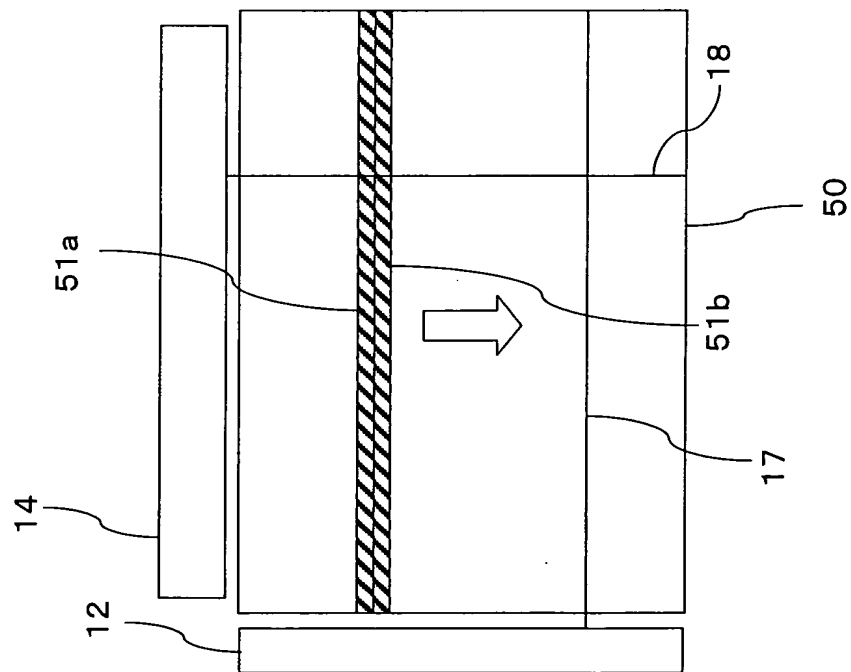


Fig. 27 (b)

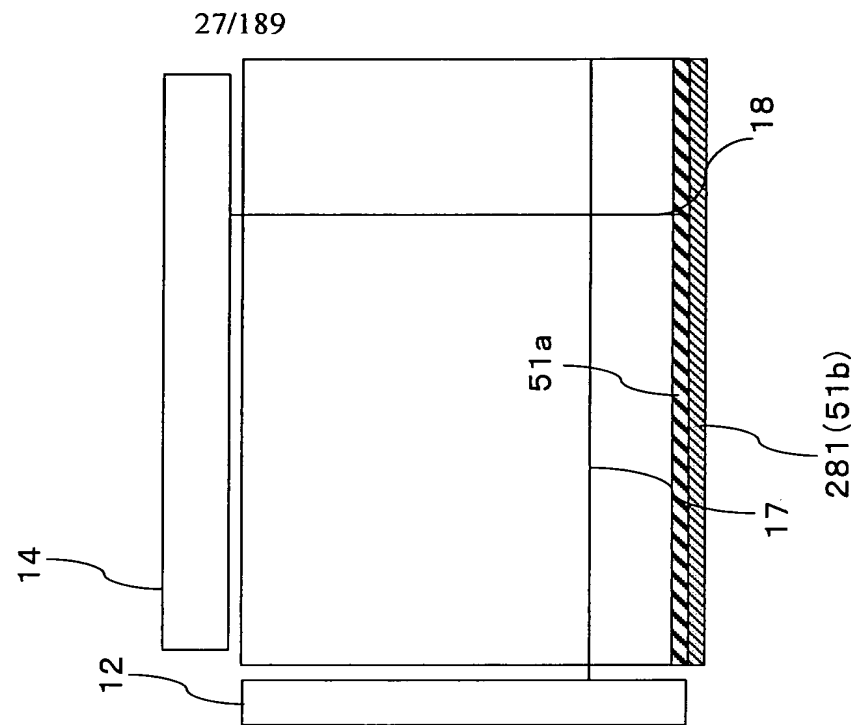




Fig. 29(a)

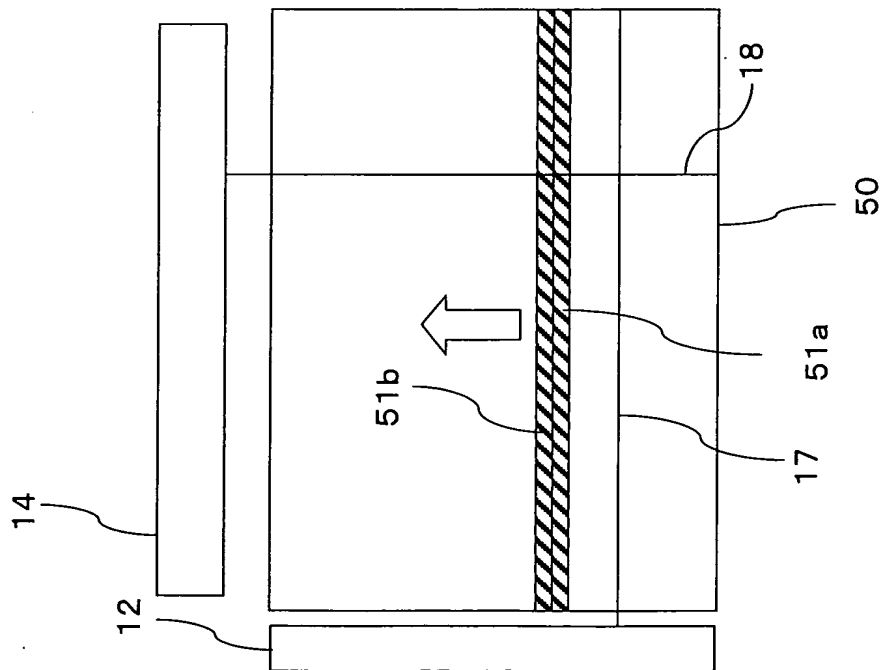
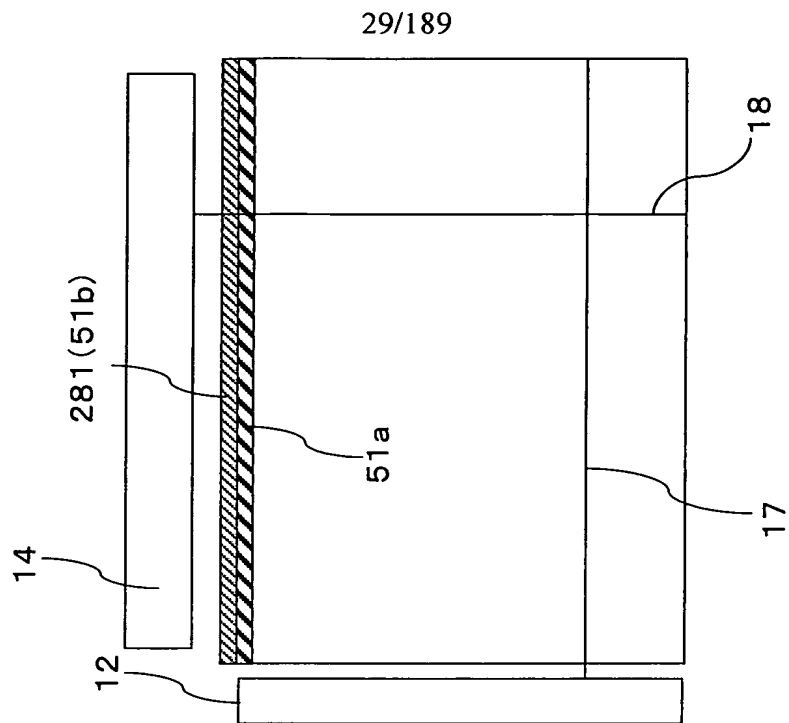


Fig. 29(b)



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Fig. 30(a1)

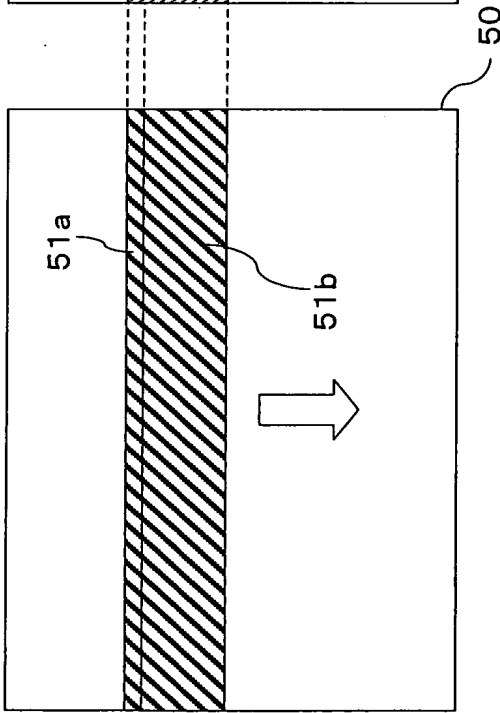


Fig. 30(a2)

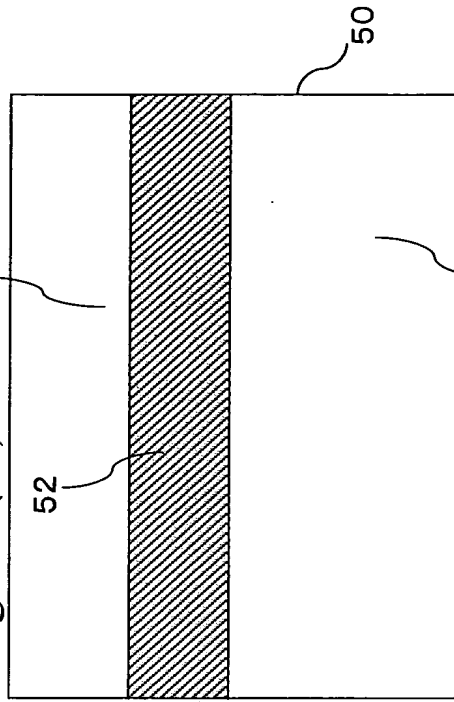


Fig. 30(b1)

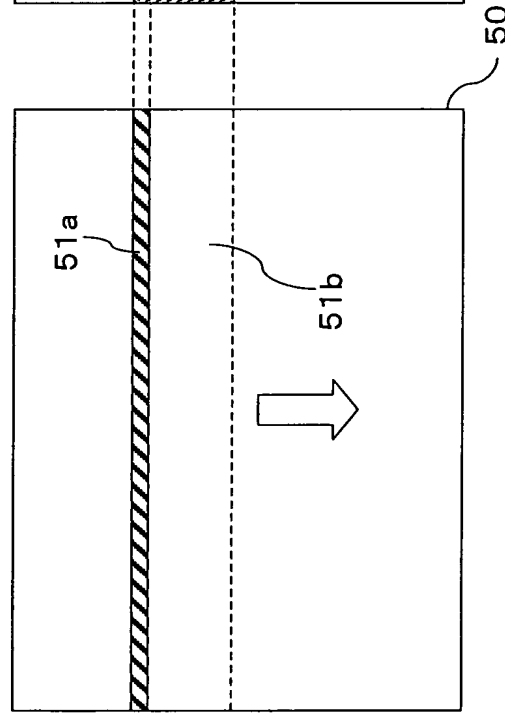
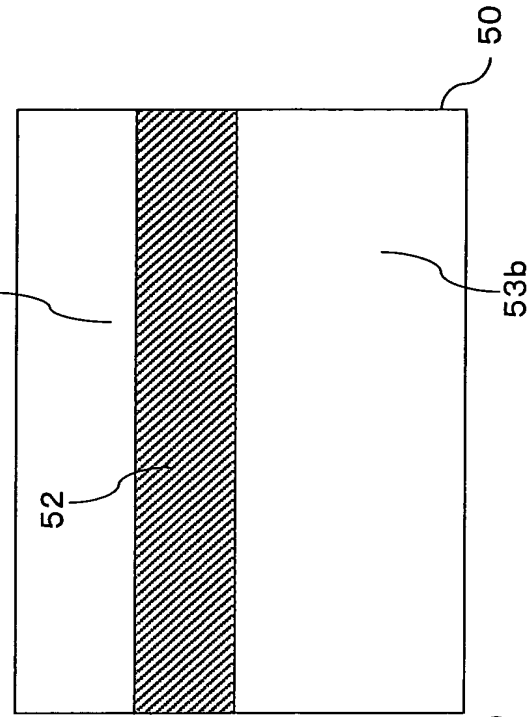
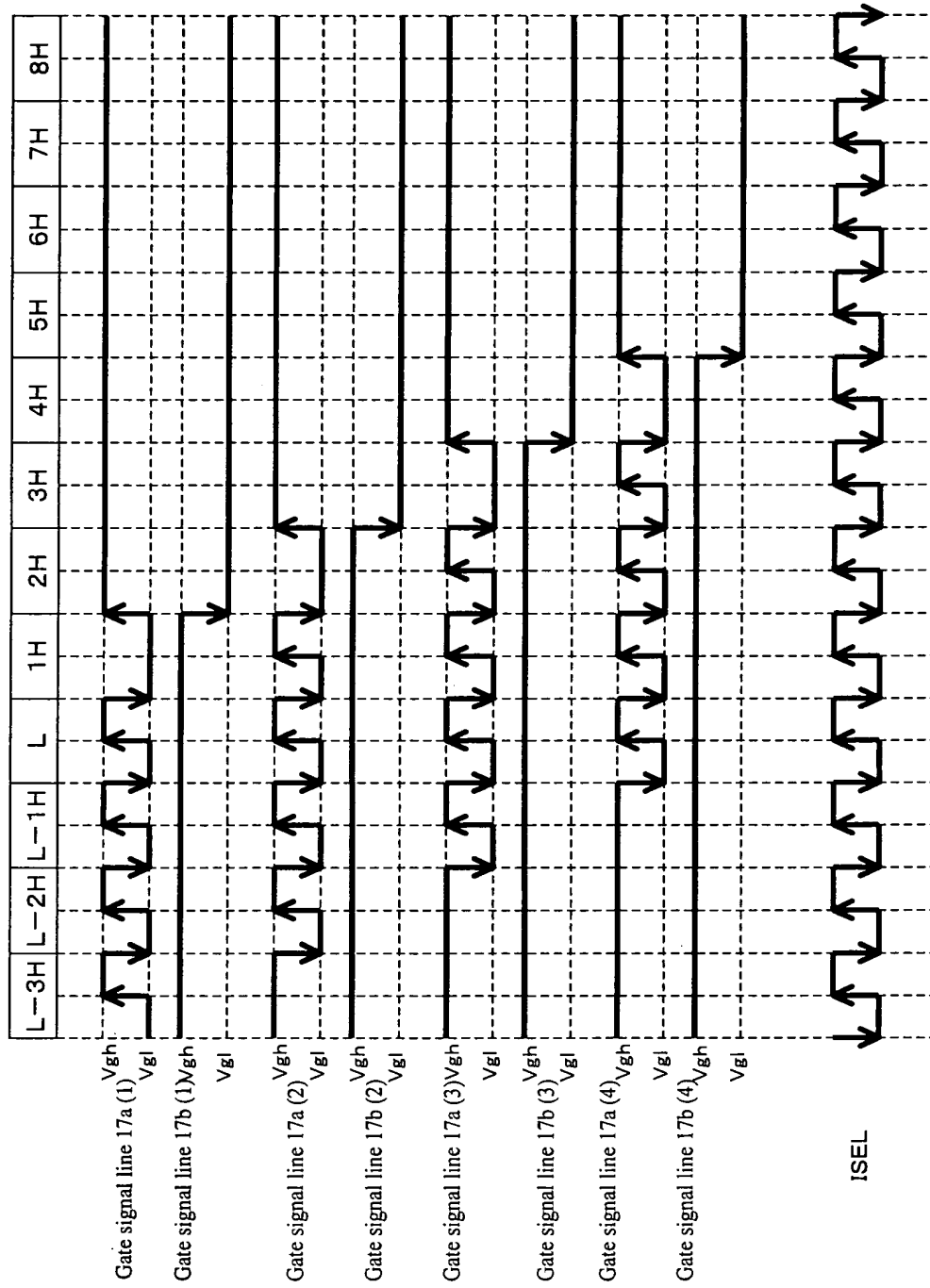


Fig. 30(b2)



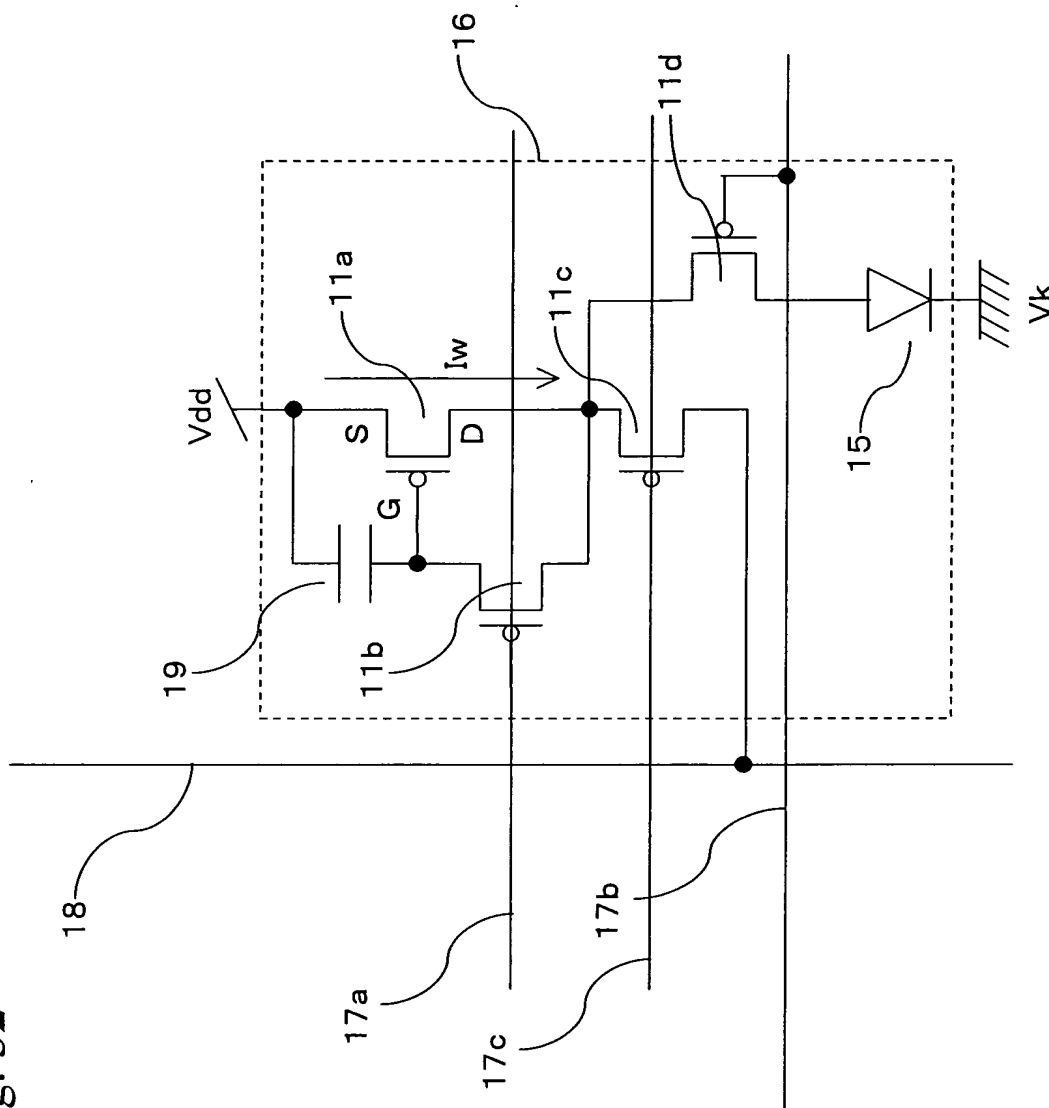
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Fig. 31



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Fig. 32







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Fig. 34

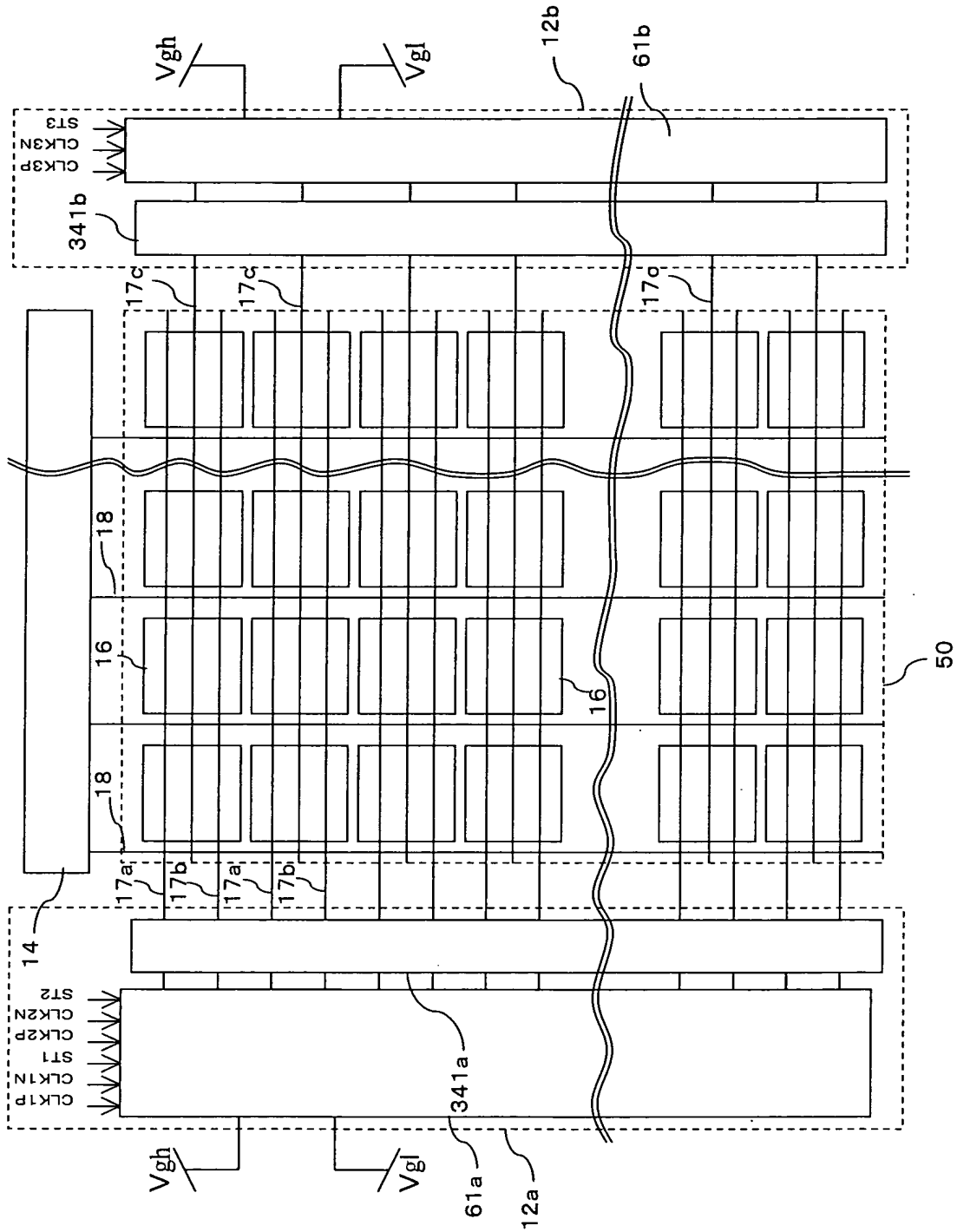


Fig. 35

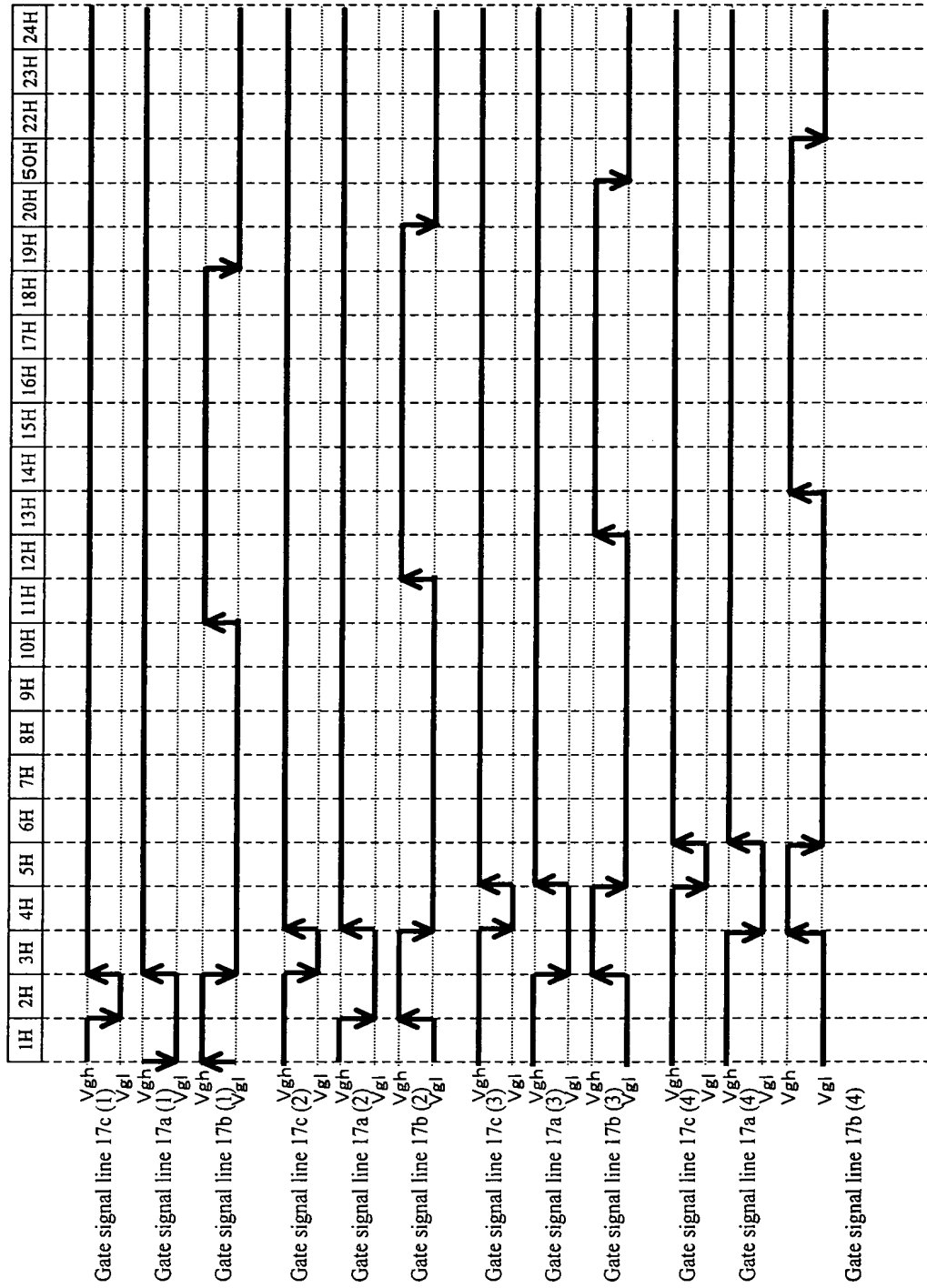
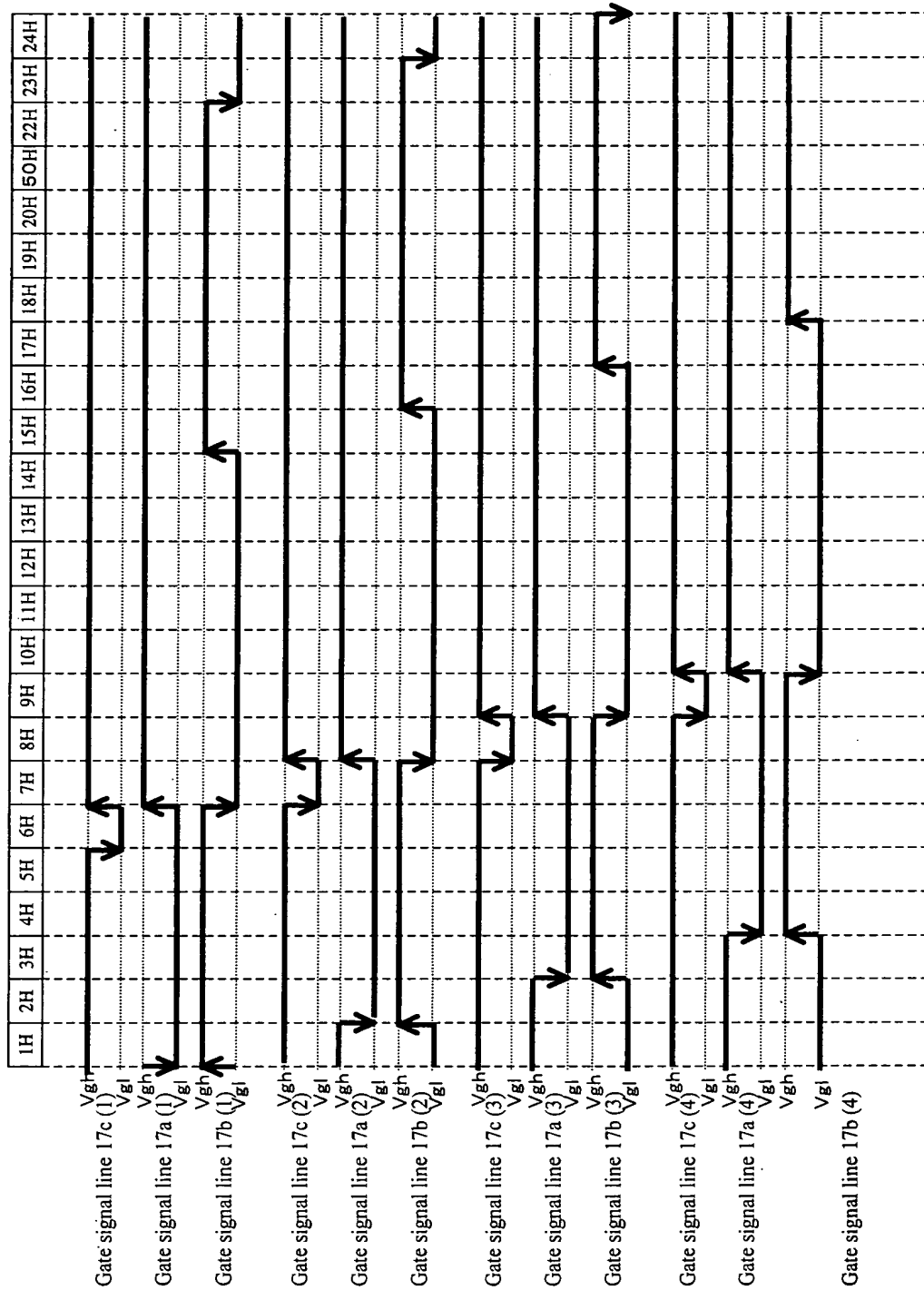
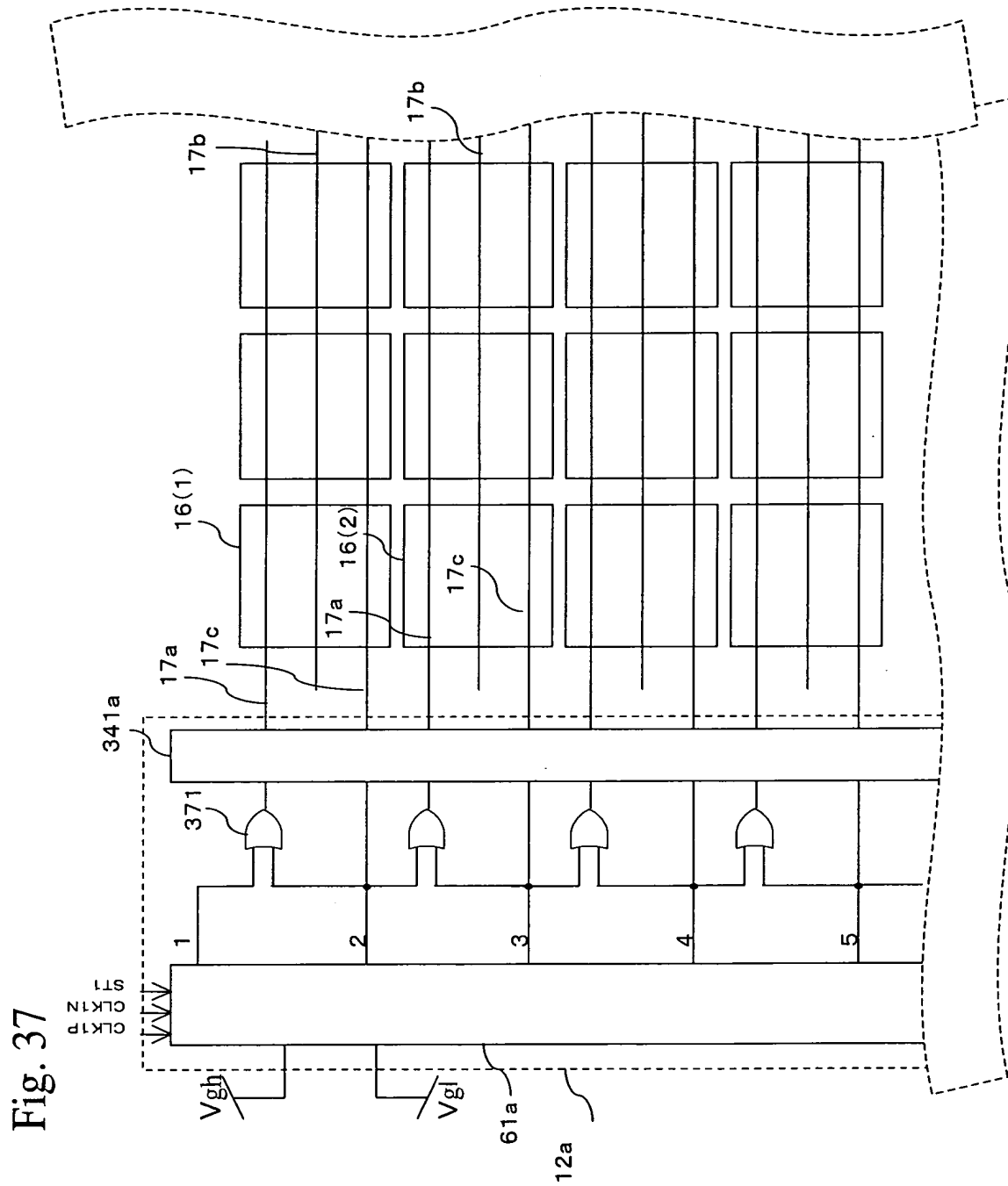


Fig. 36

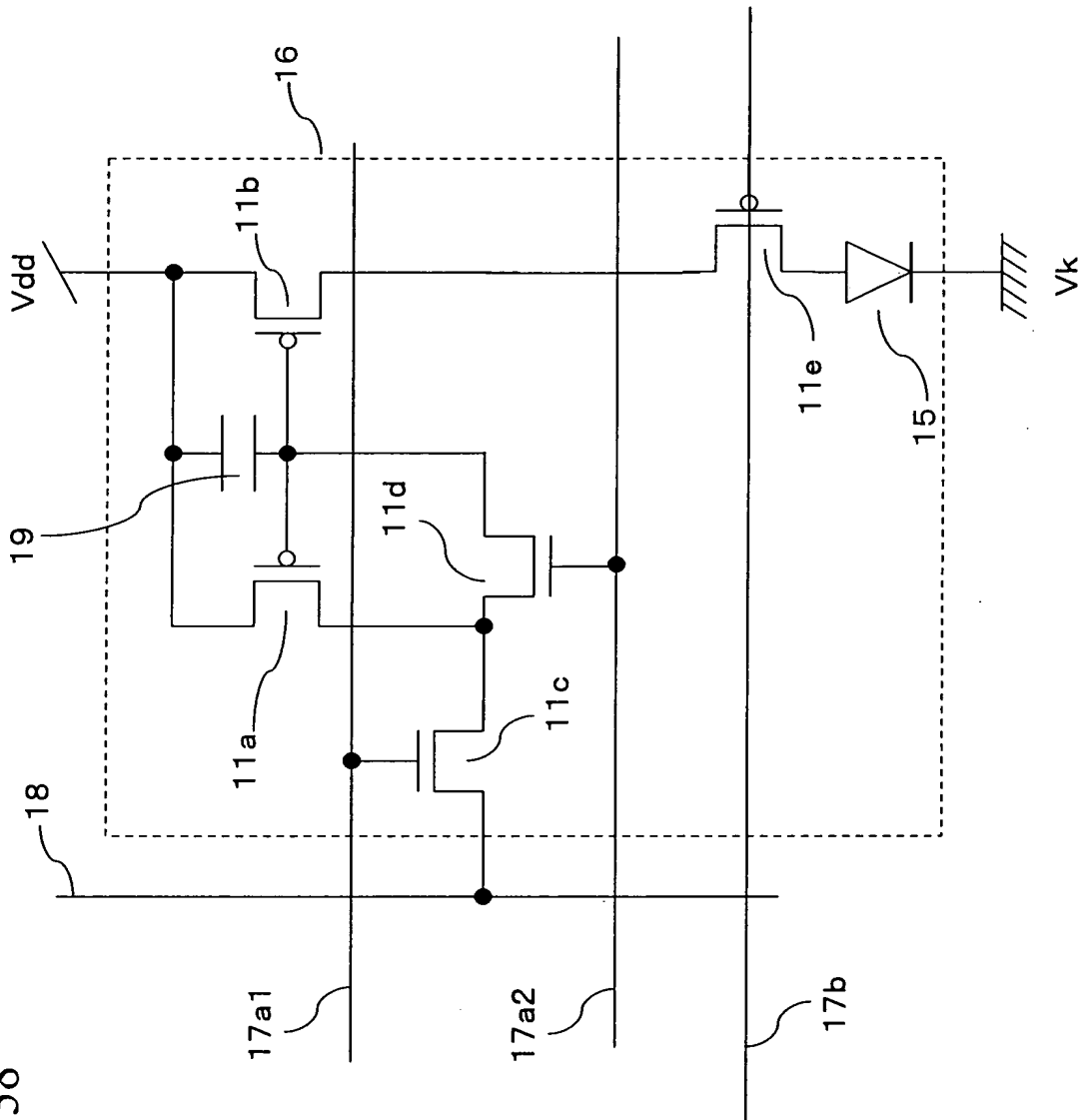


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Fig. 38



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Fig. 39 (c)

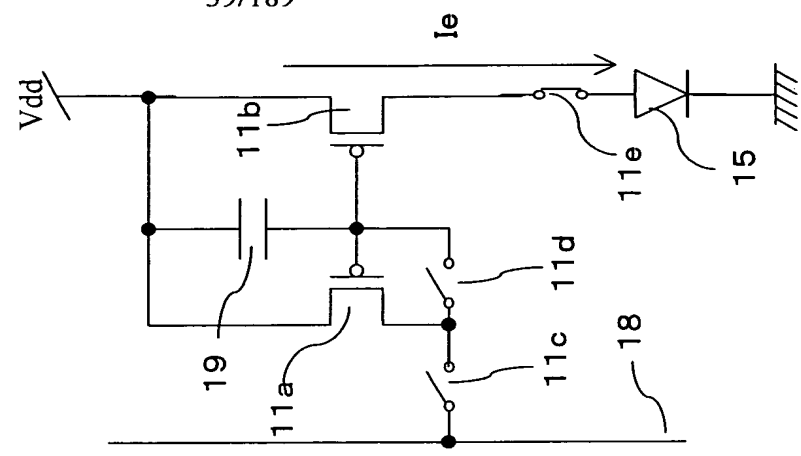


Fig. 39 (b)

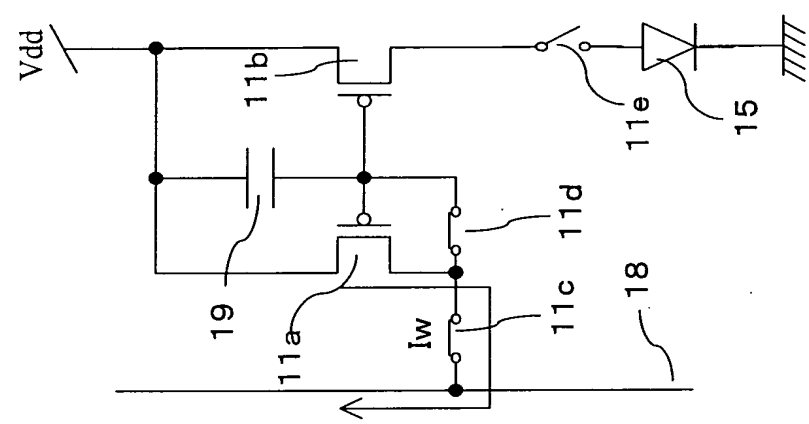
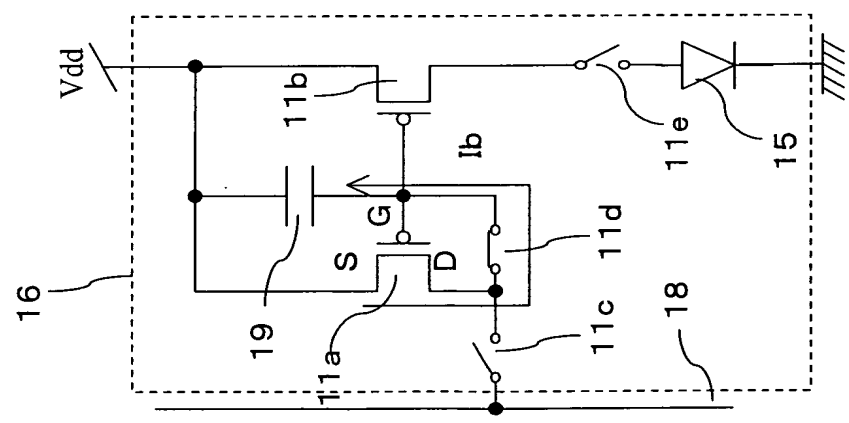
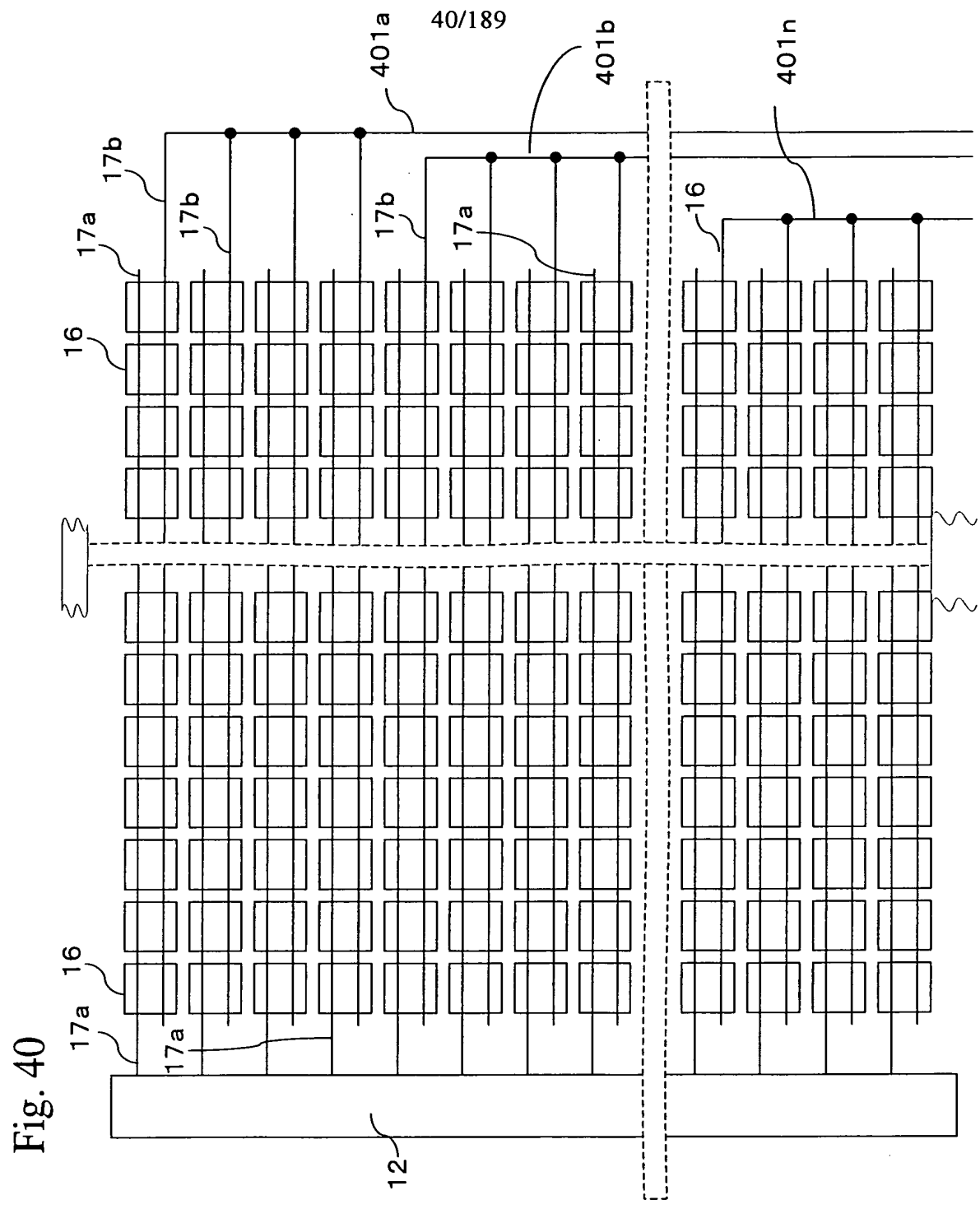


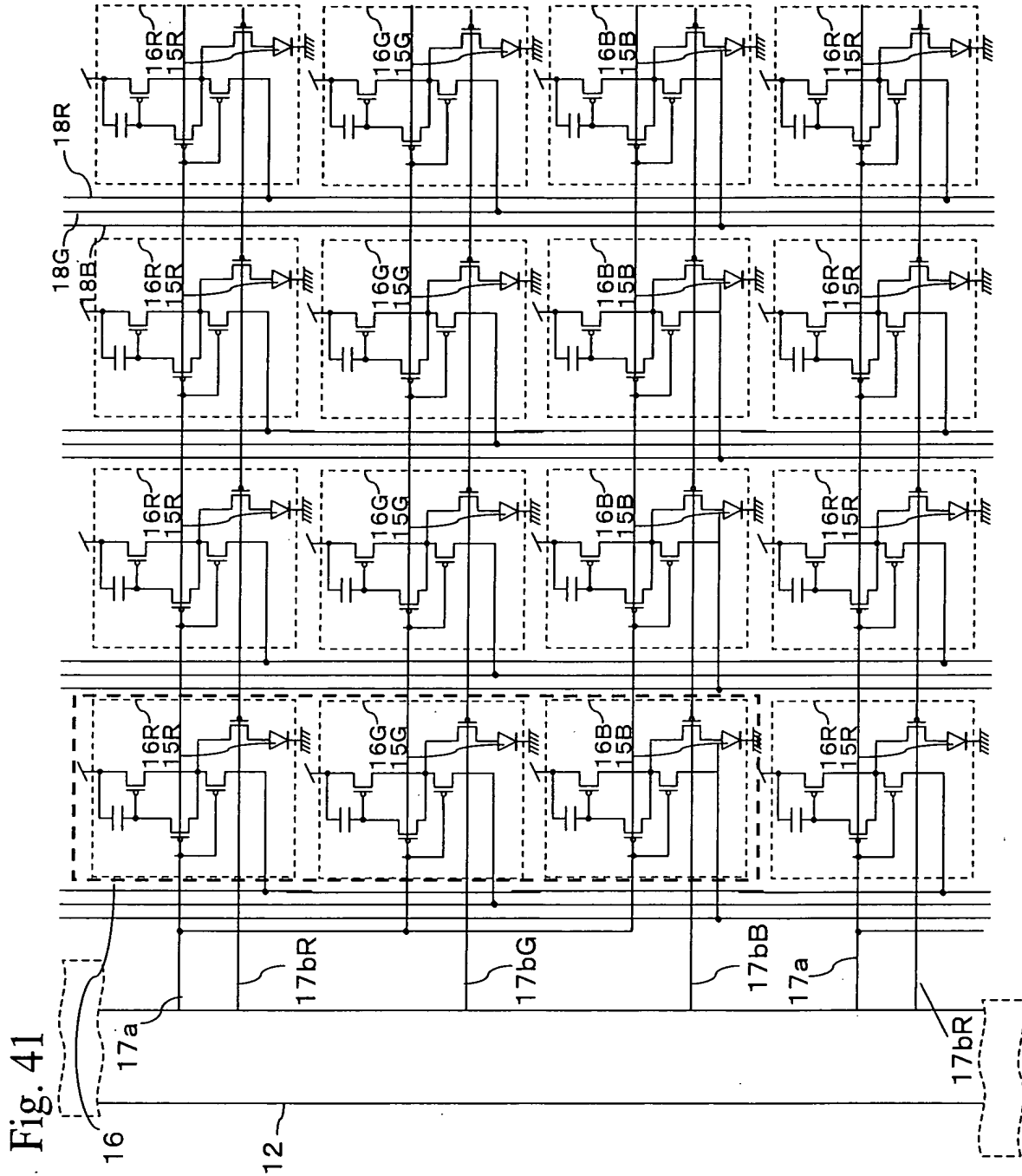
Fig. 39 (a)







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Fig. 42 (b)

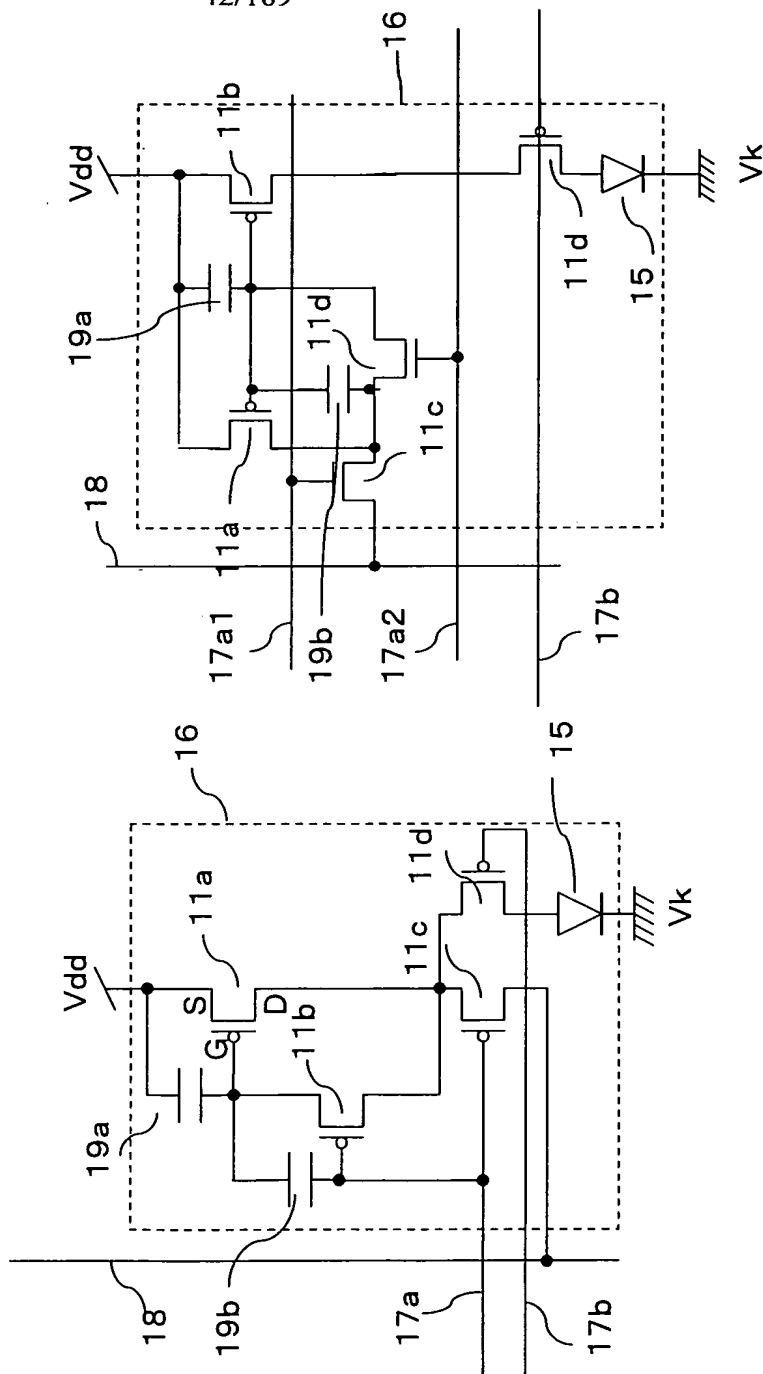


Fig. 42 (a)

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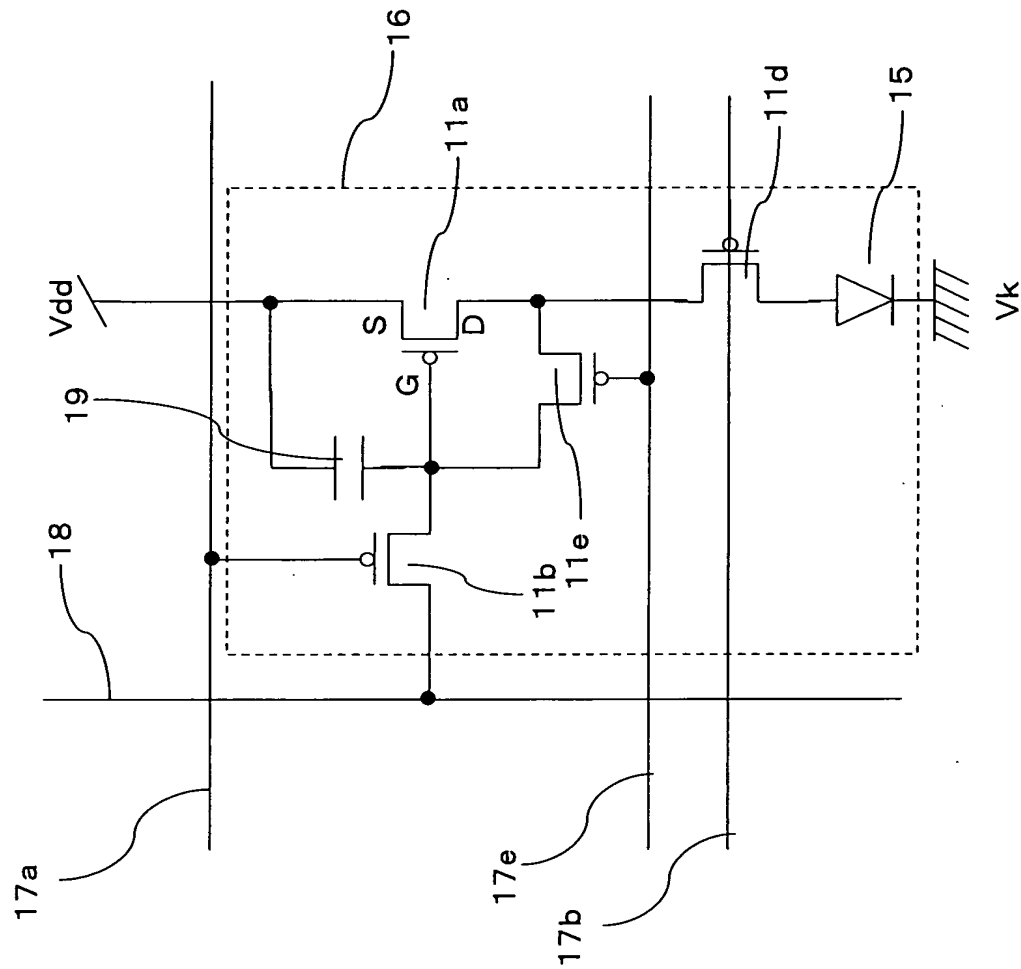


Fig. 43

Fig. 44(a)

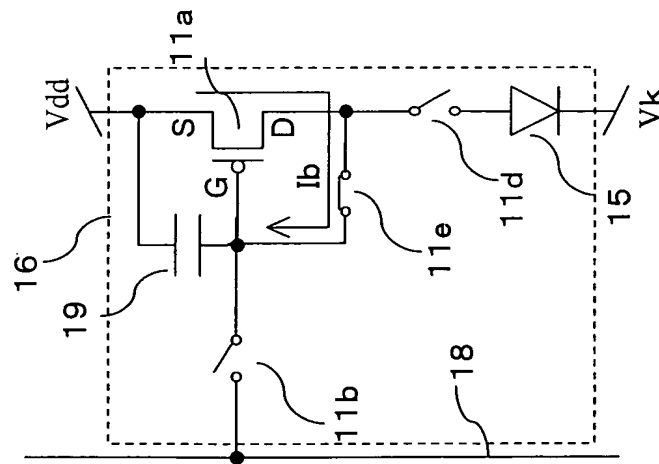


Fig. 44(b)

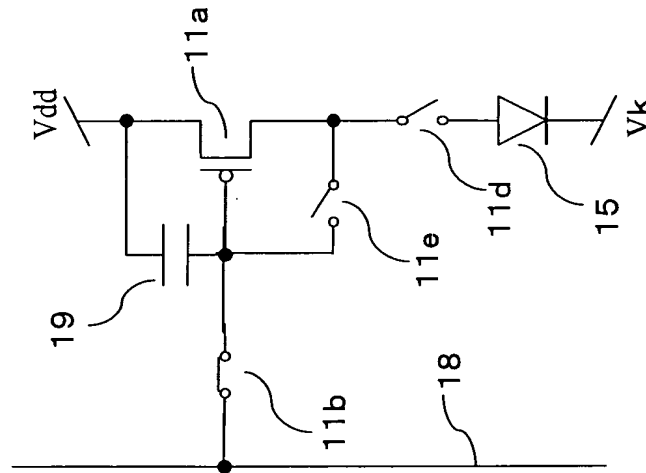
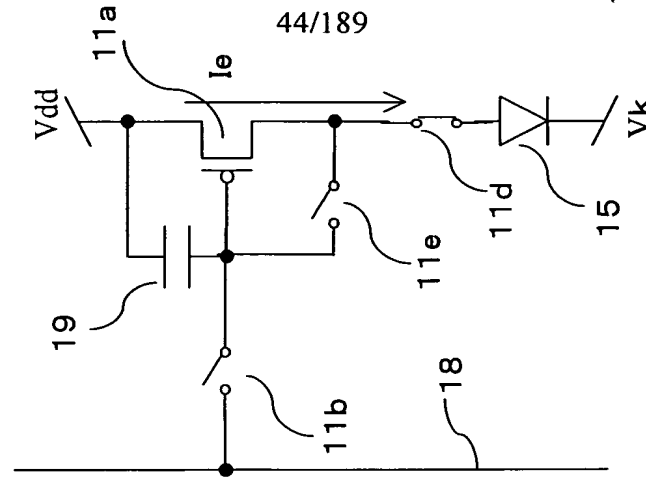
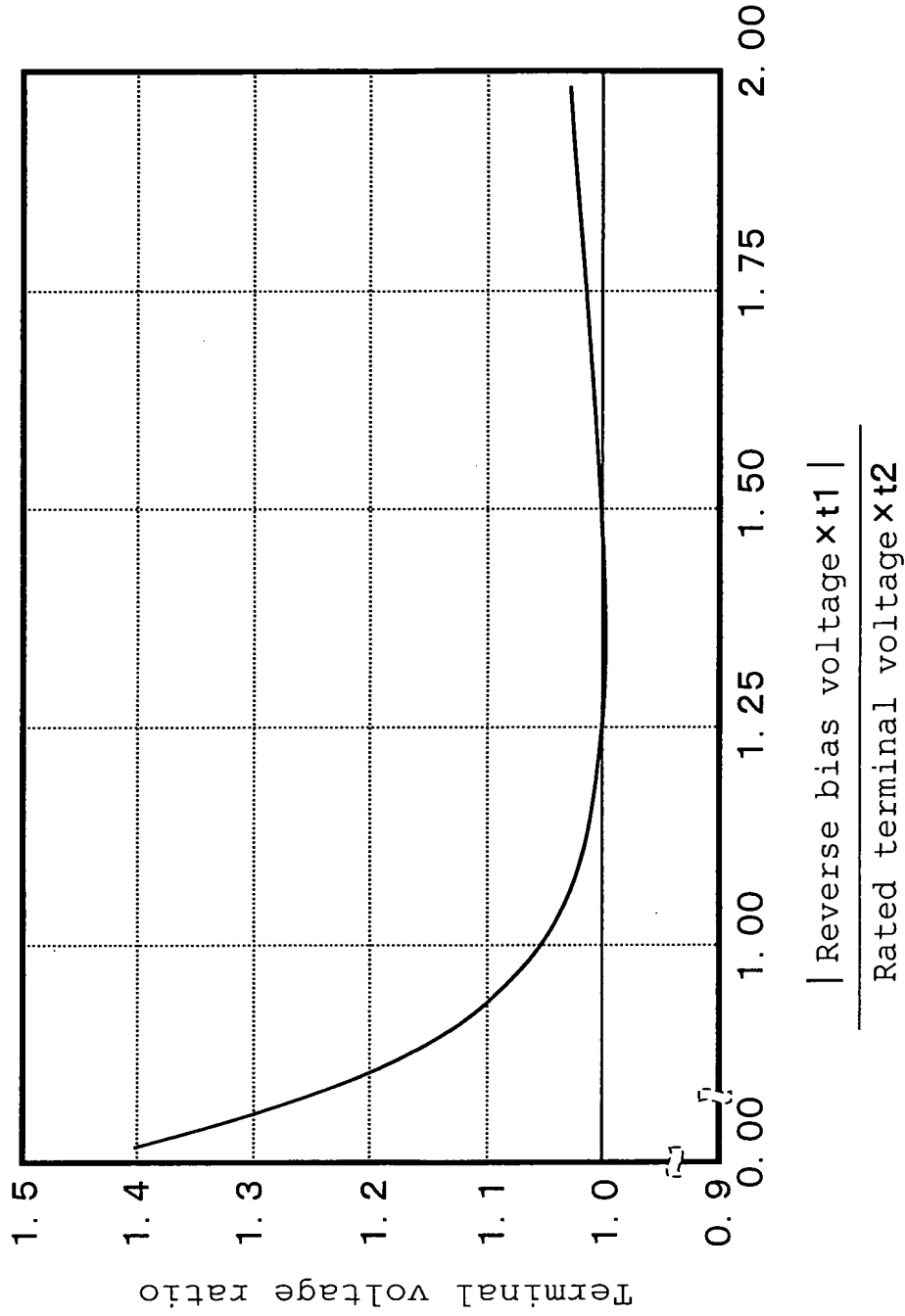


Fig. 44(c)



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Fig. 45



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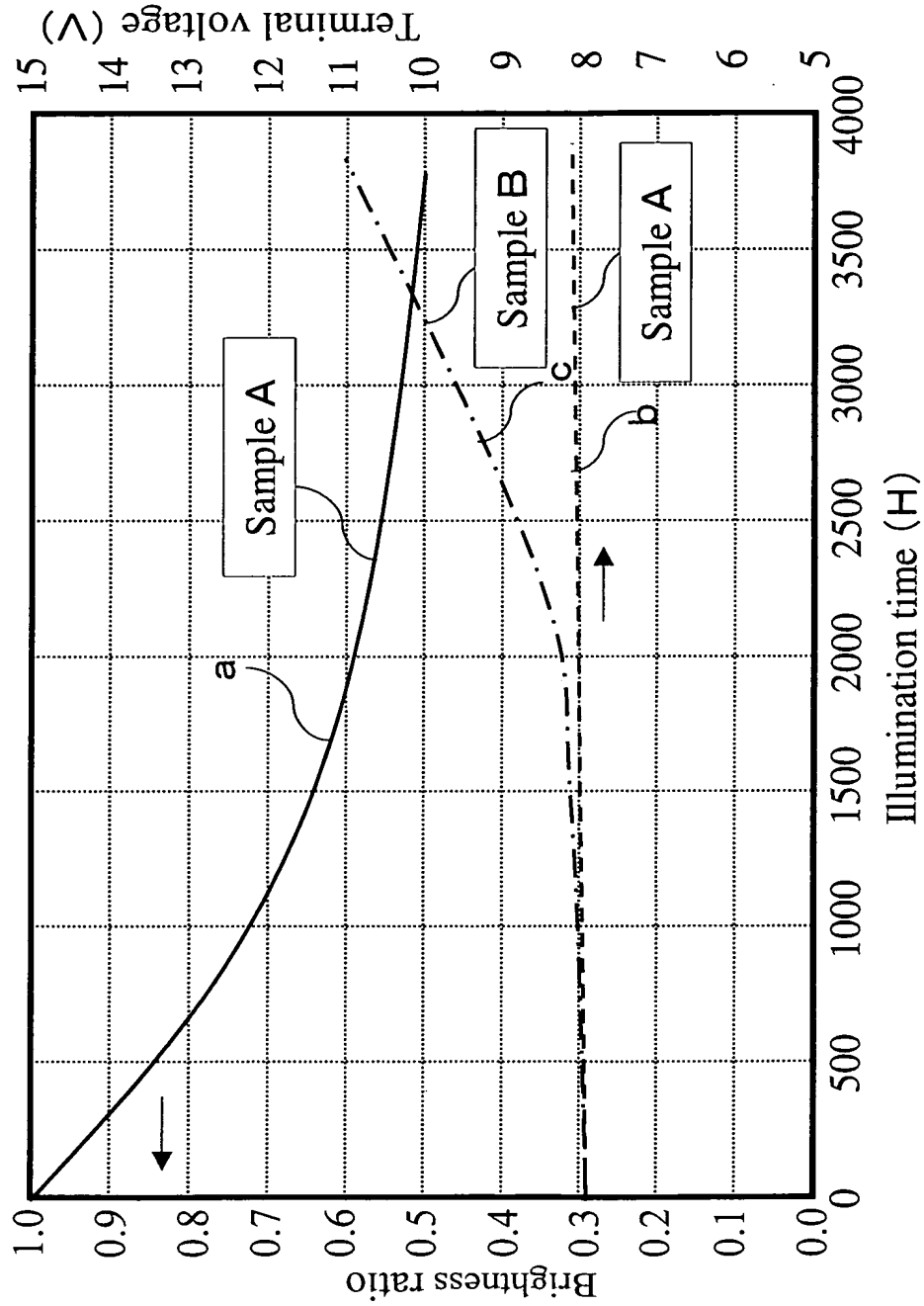


Fig. 46

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Fig. 47

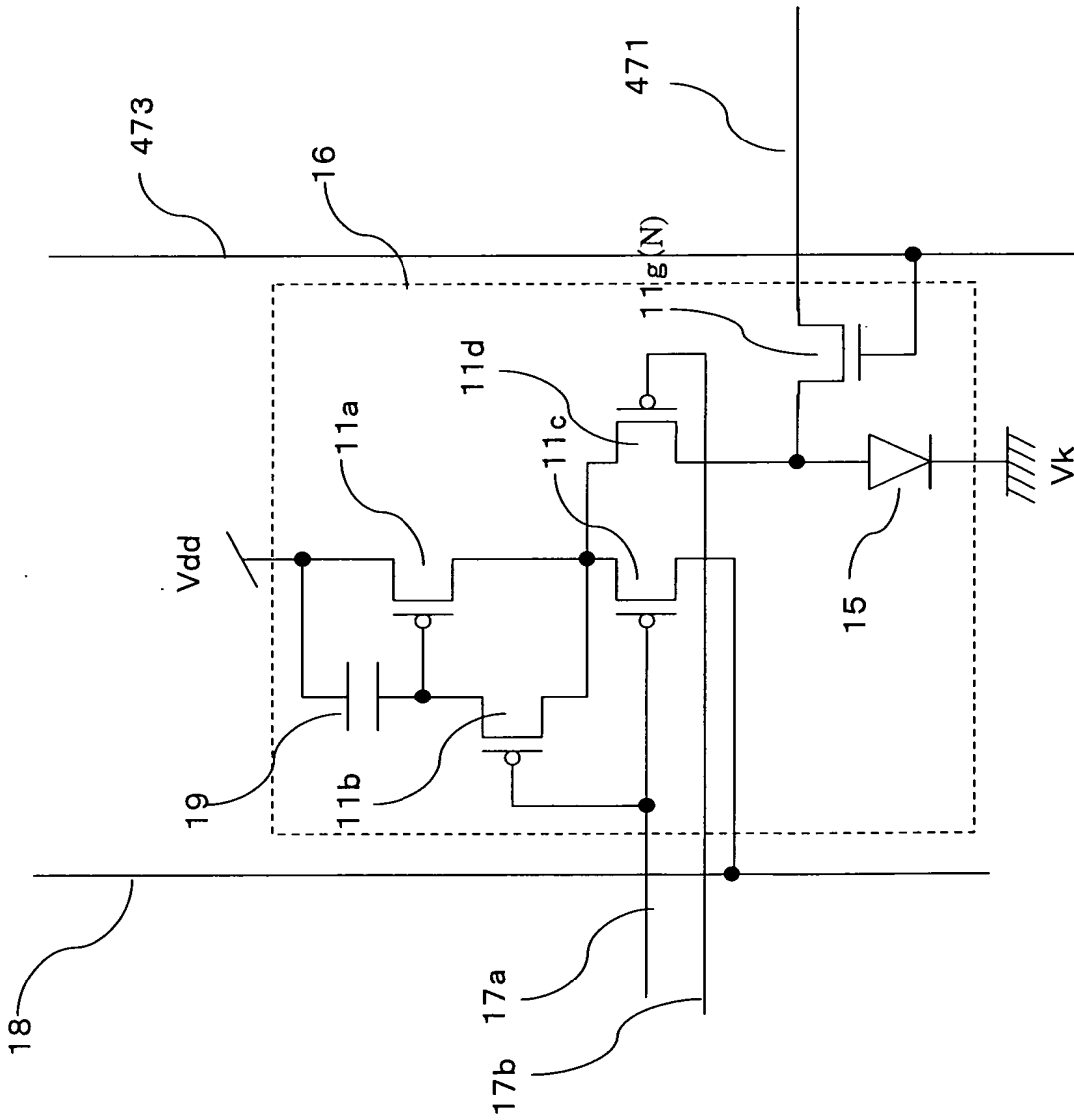


Fig. 48

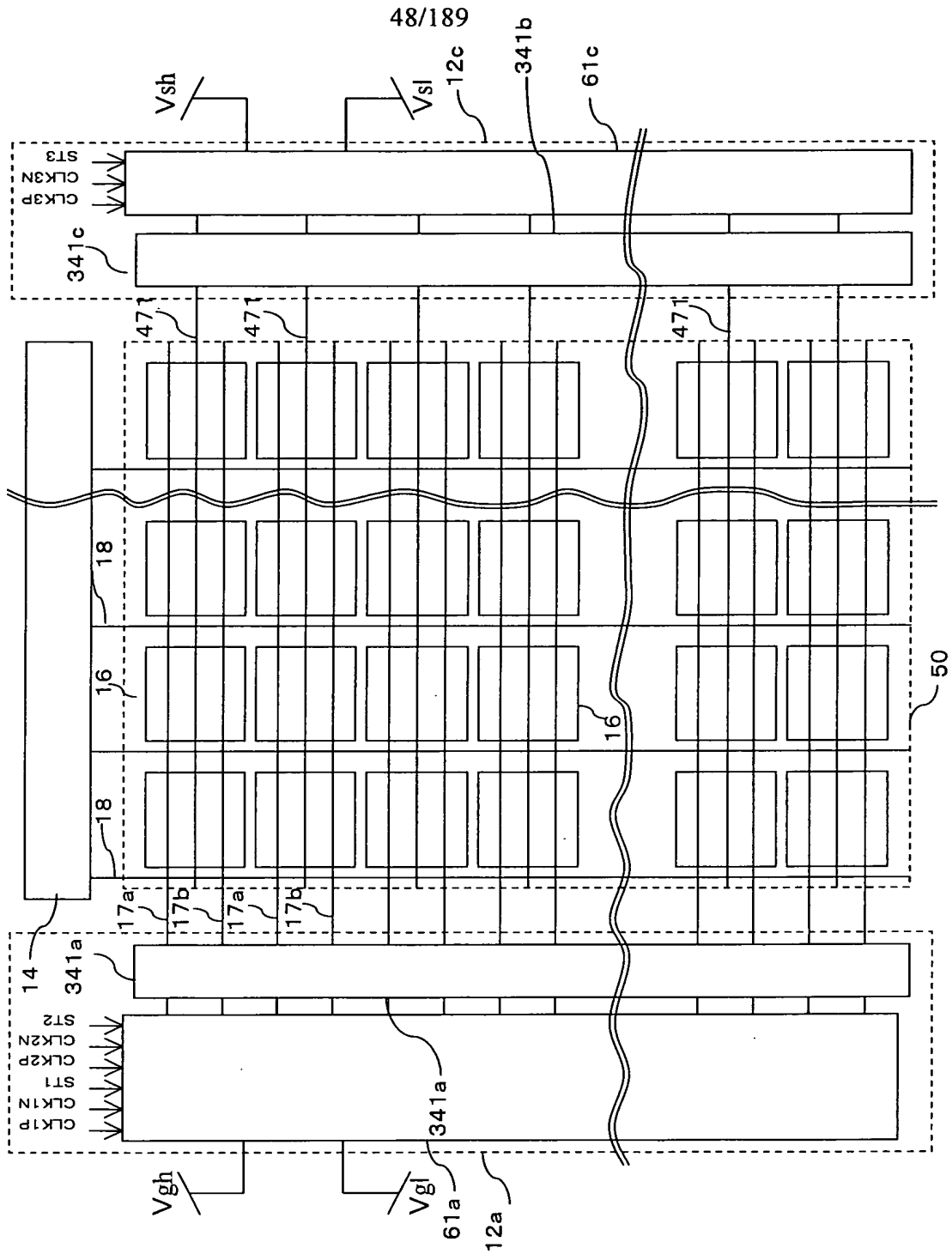
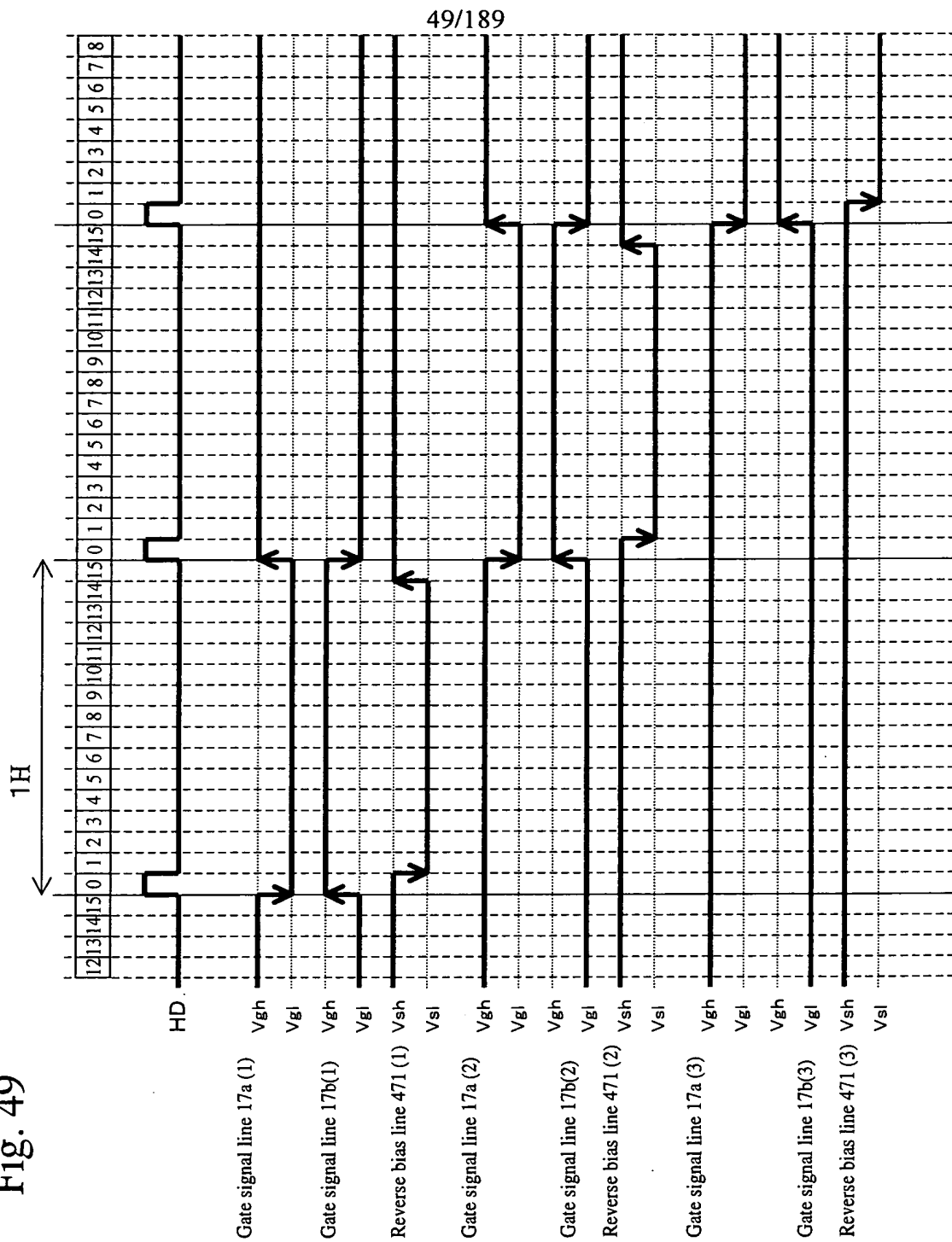


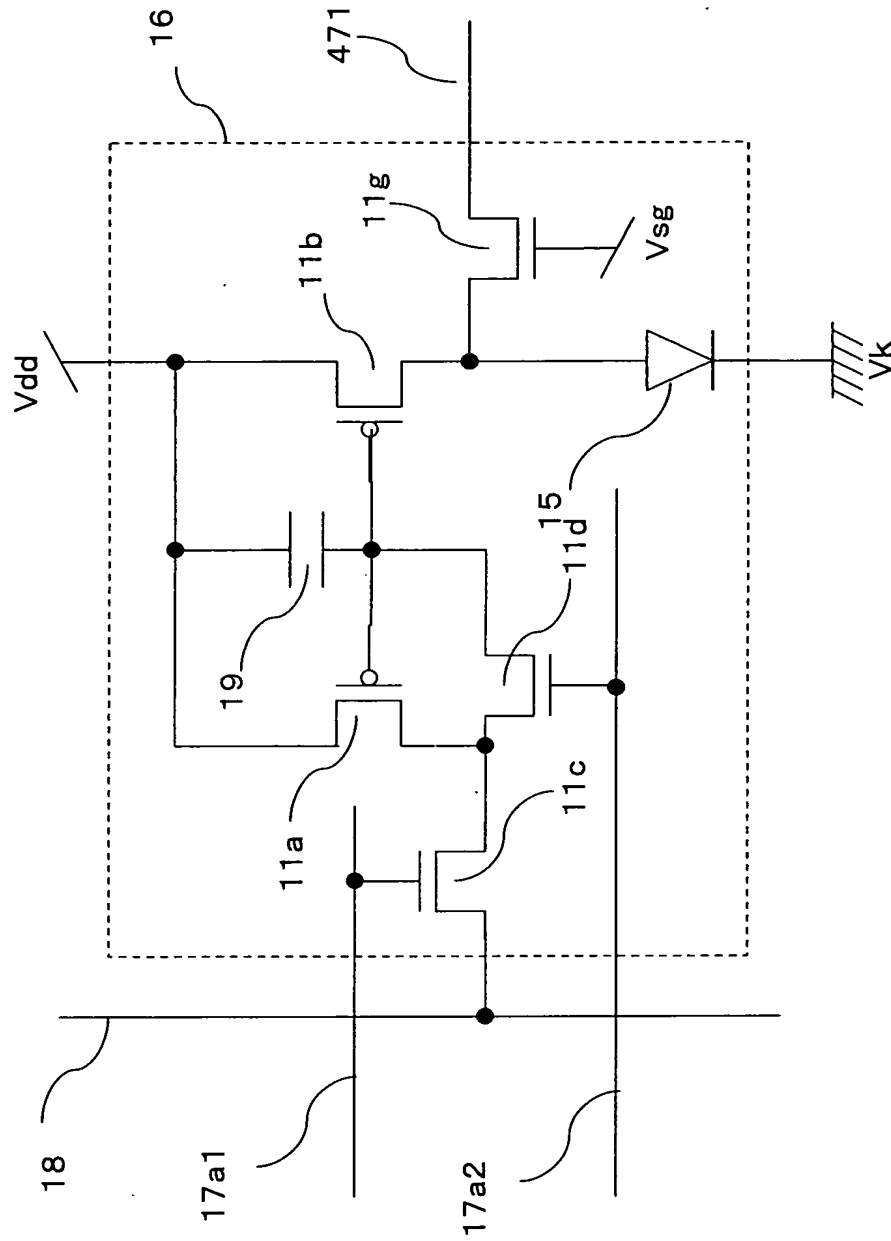


Fig. 49



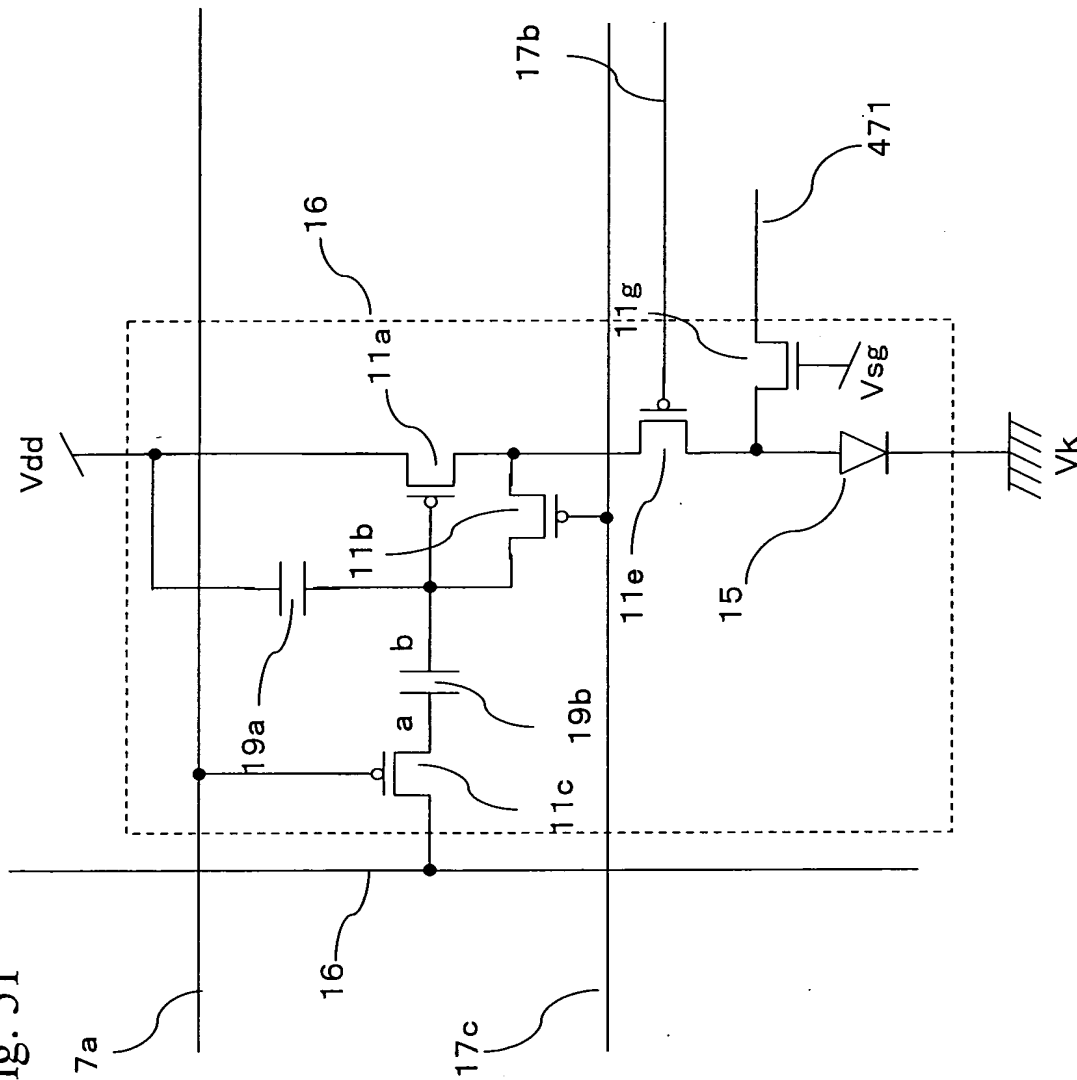
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Fig. 50



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Fig. 51



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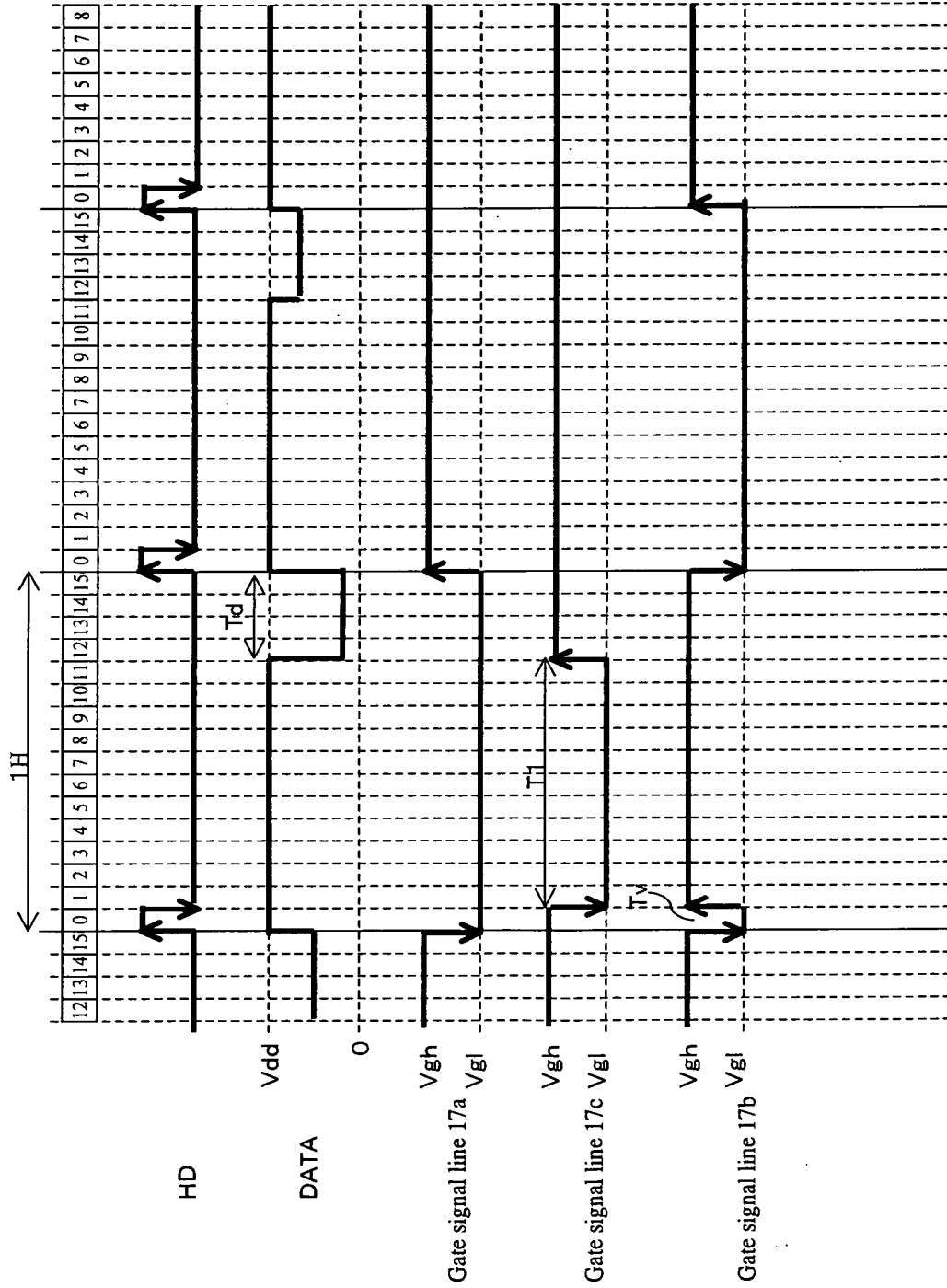
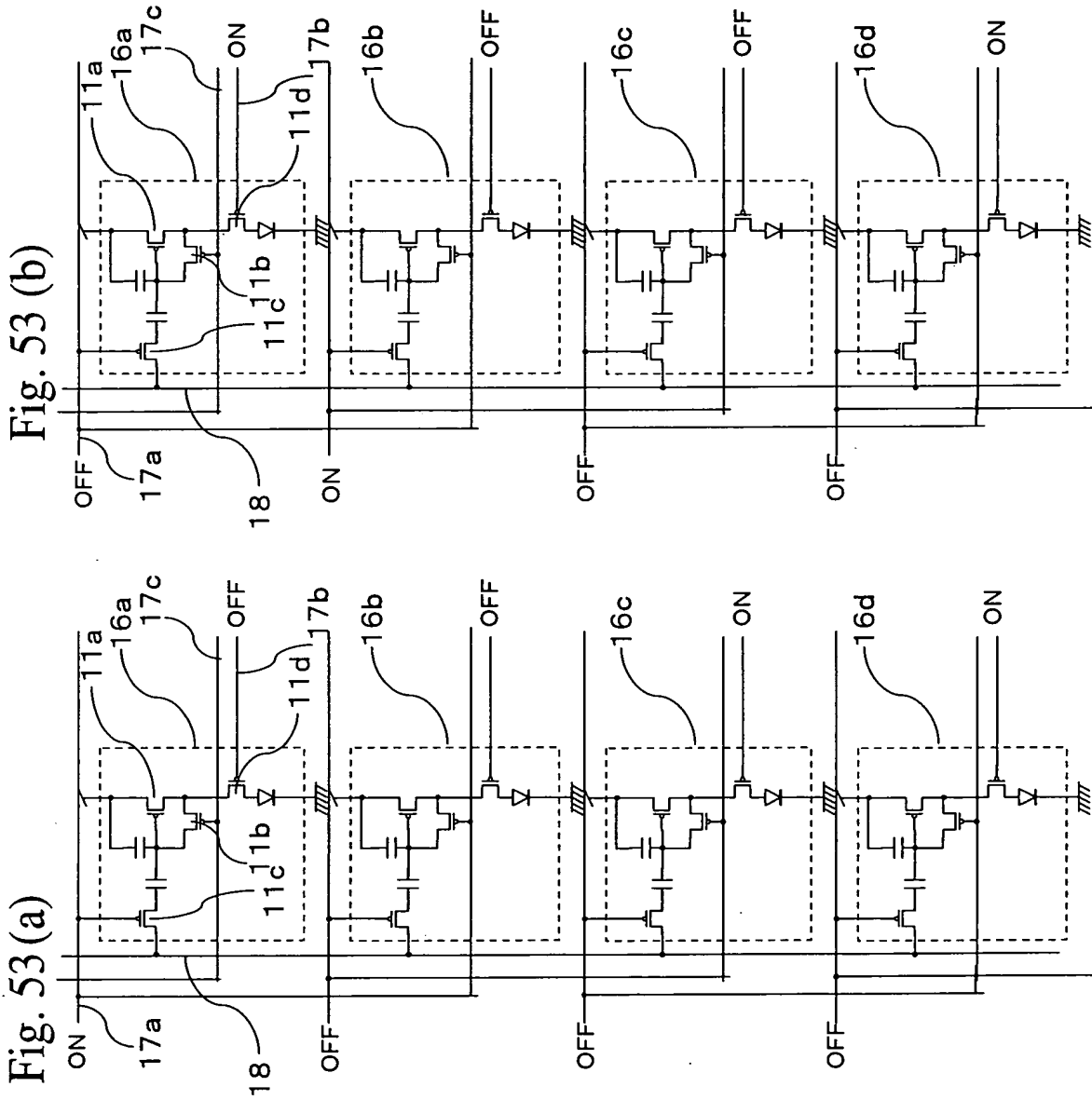


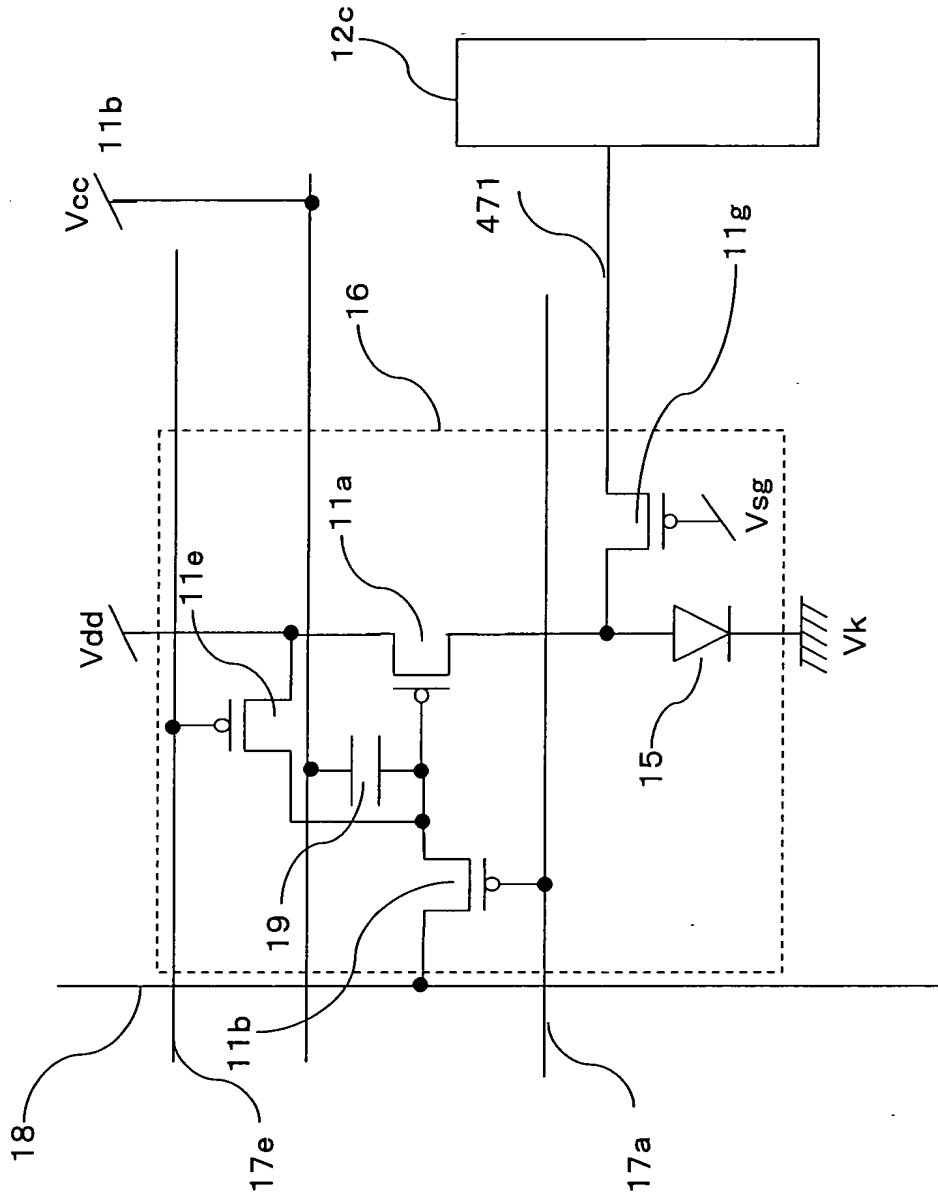
Fig. 52

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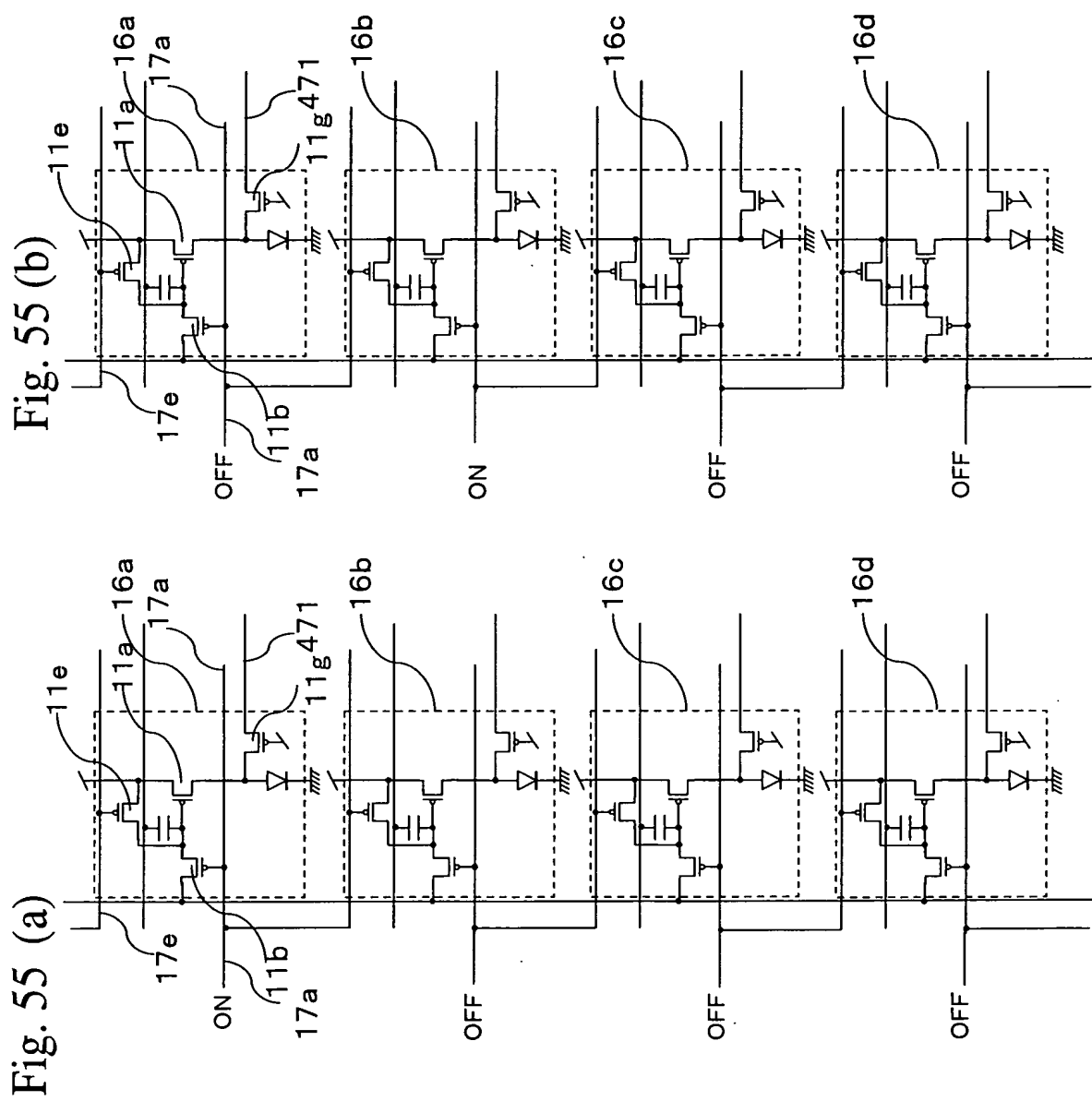


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Fig. 54



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Fig. 56 (b)

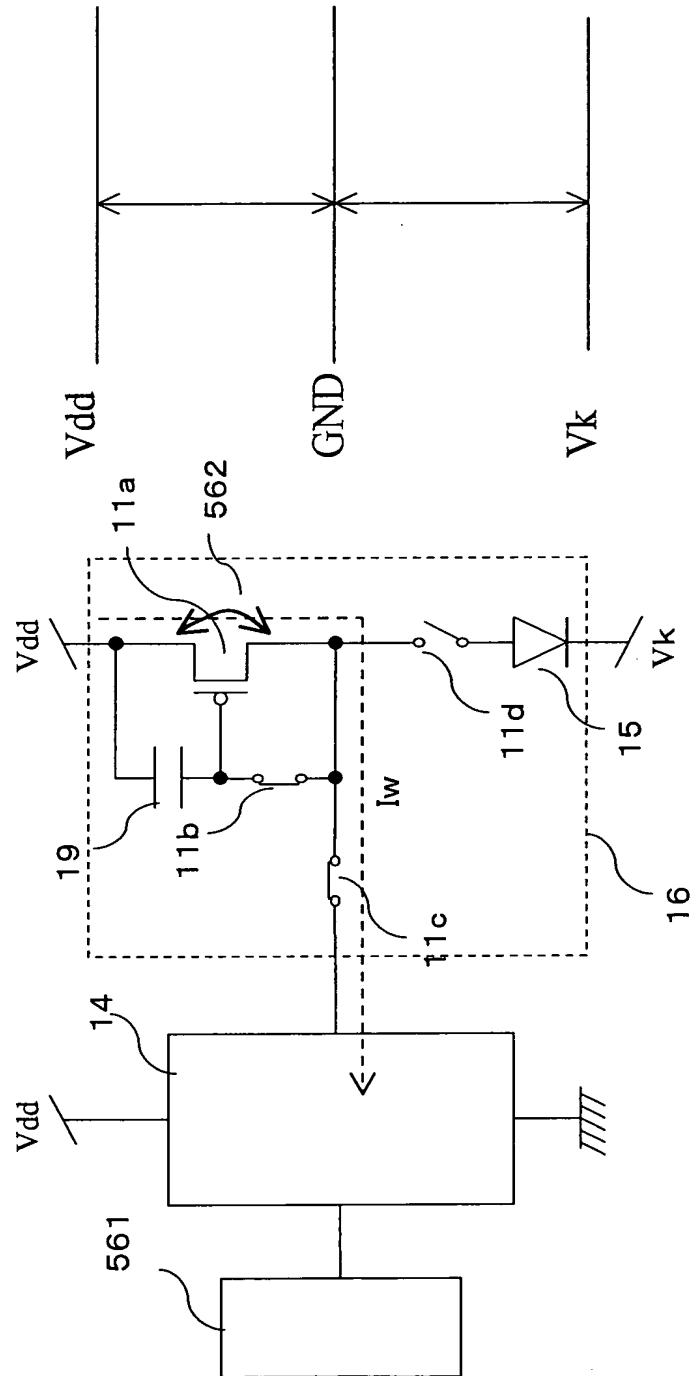


Fig. 56 (a)



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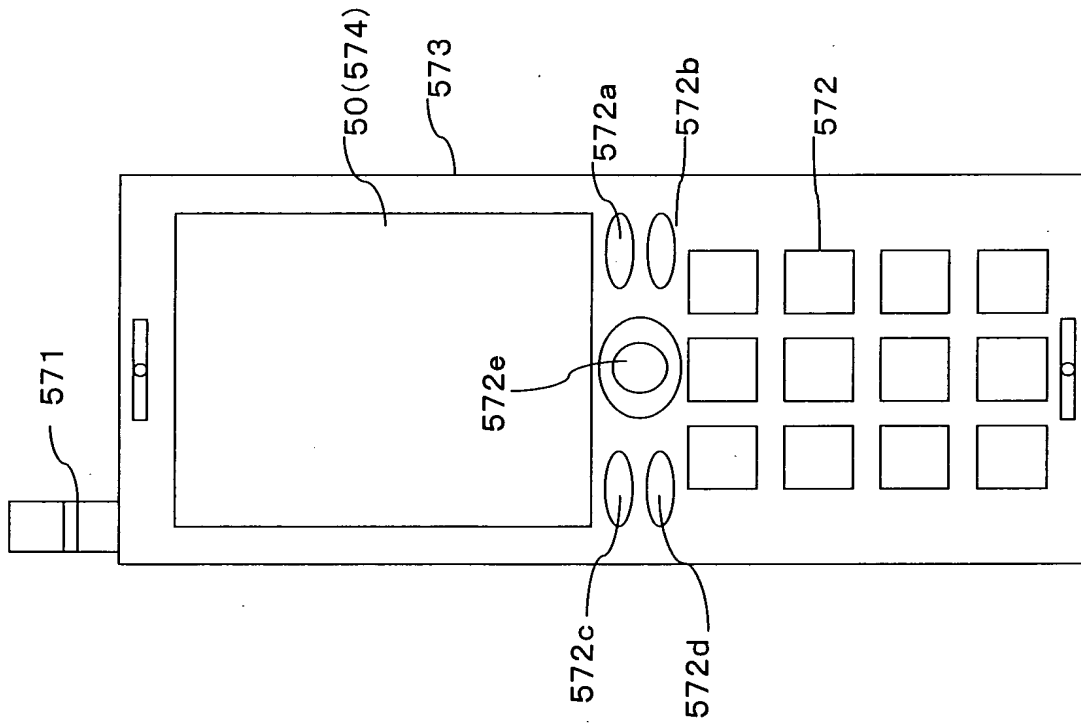


Fig. 57

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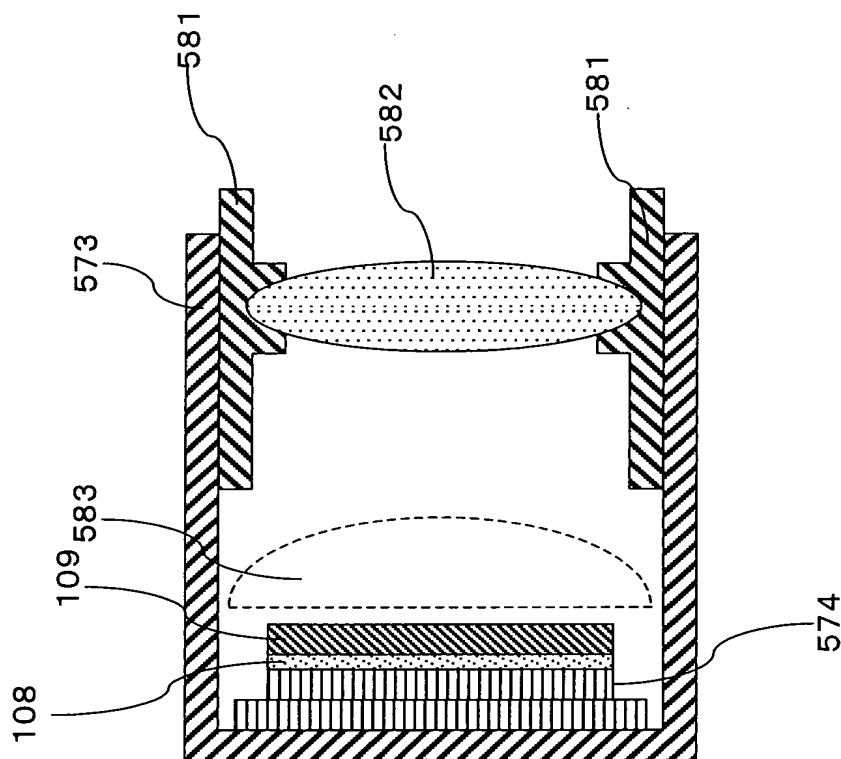


Fig. 58

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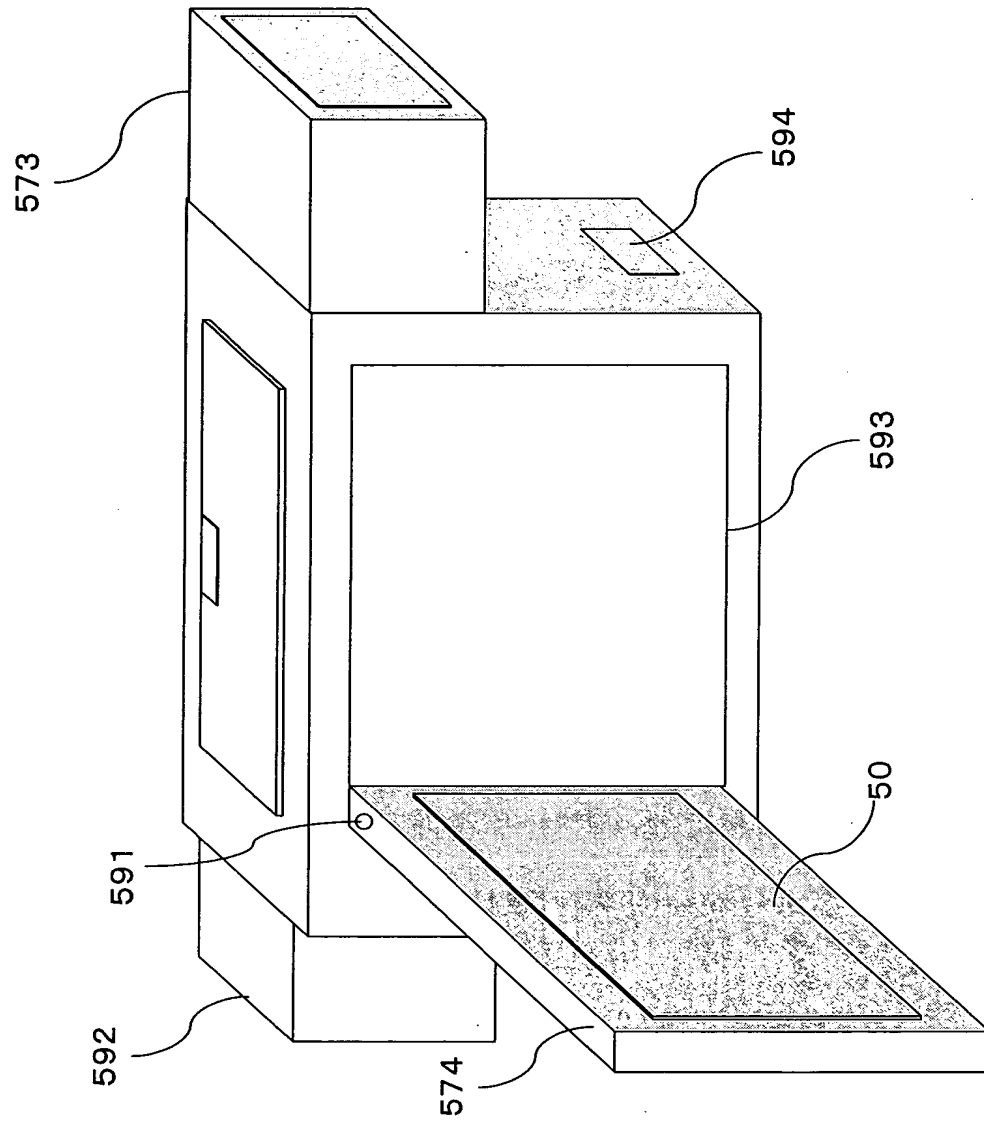


Fig. 59

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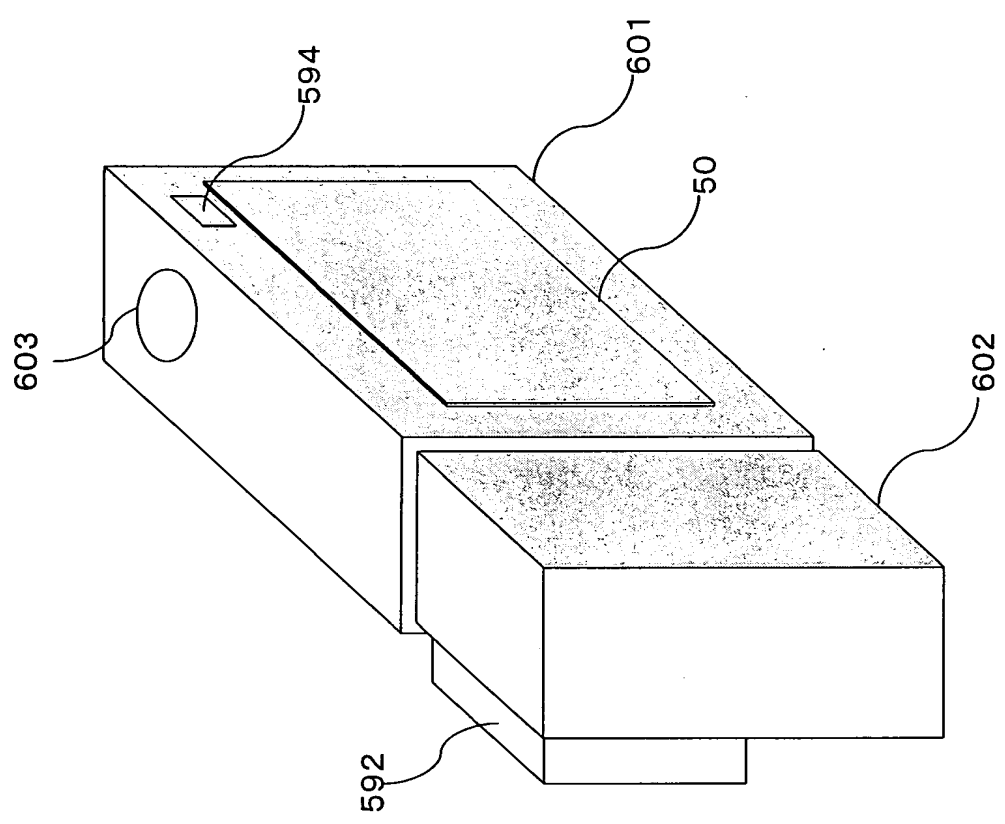
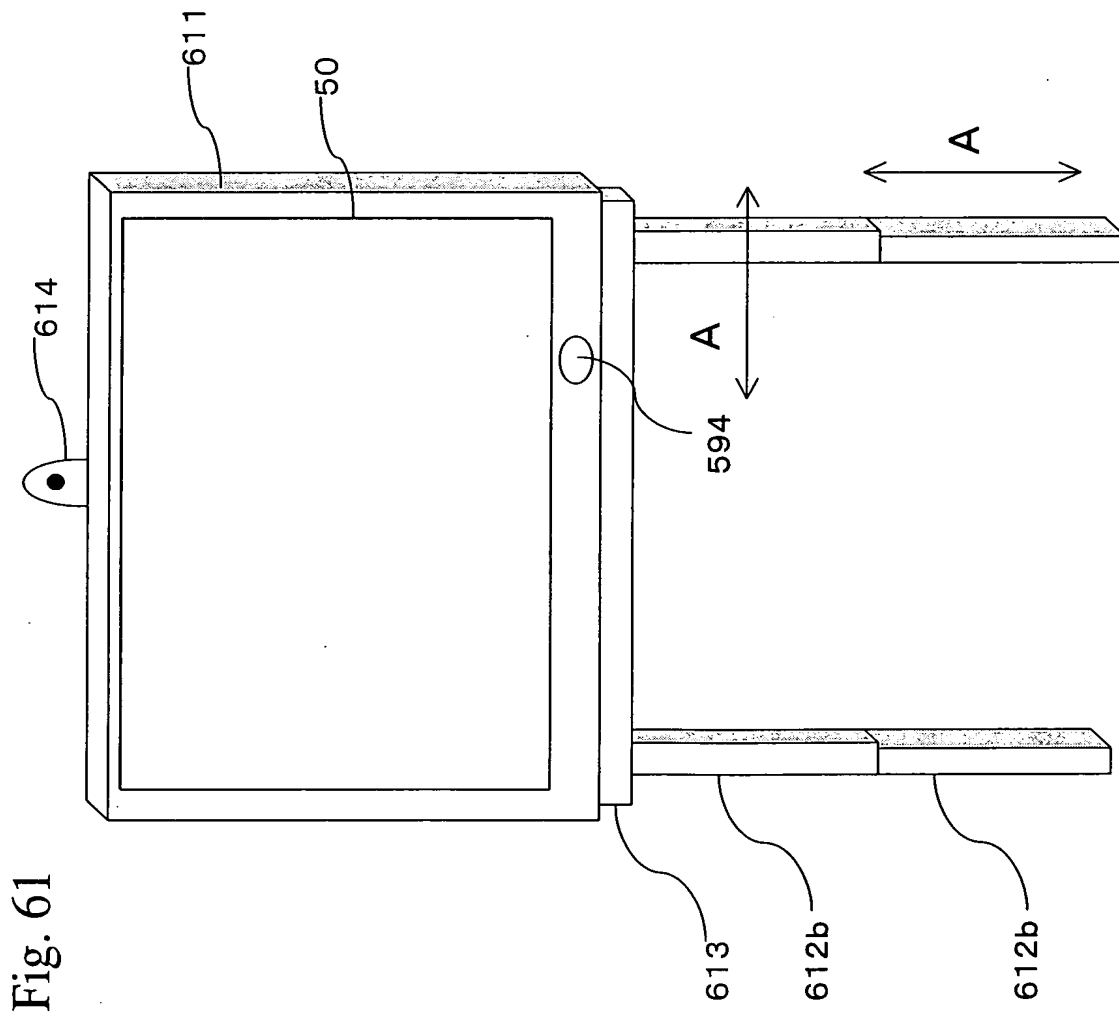


Fig. 60

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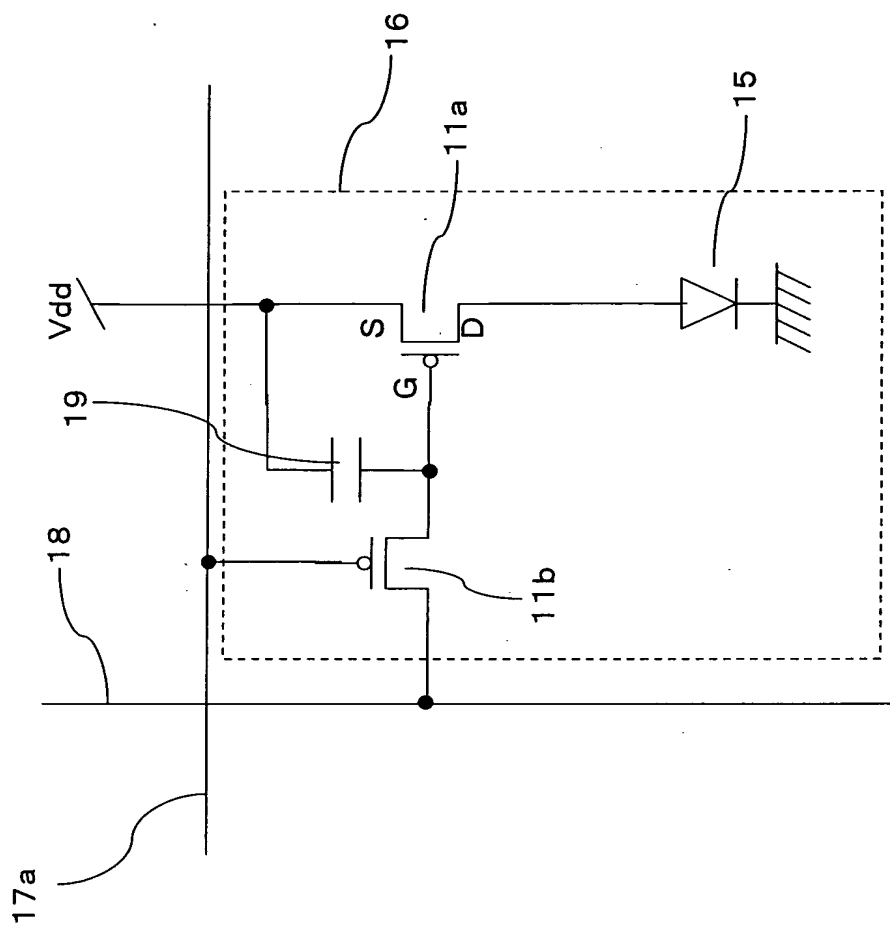


Fig. 62

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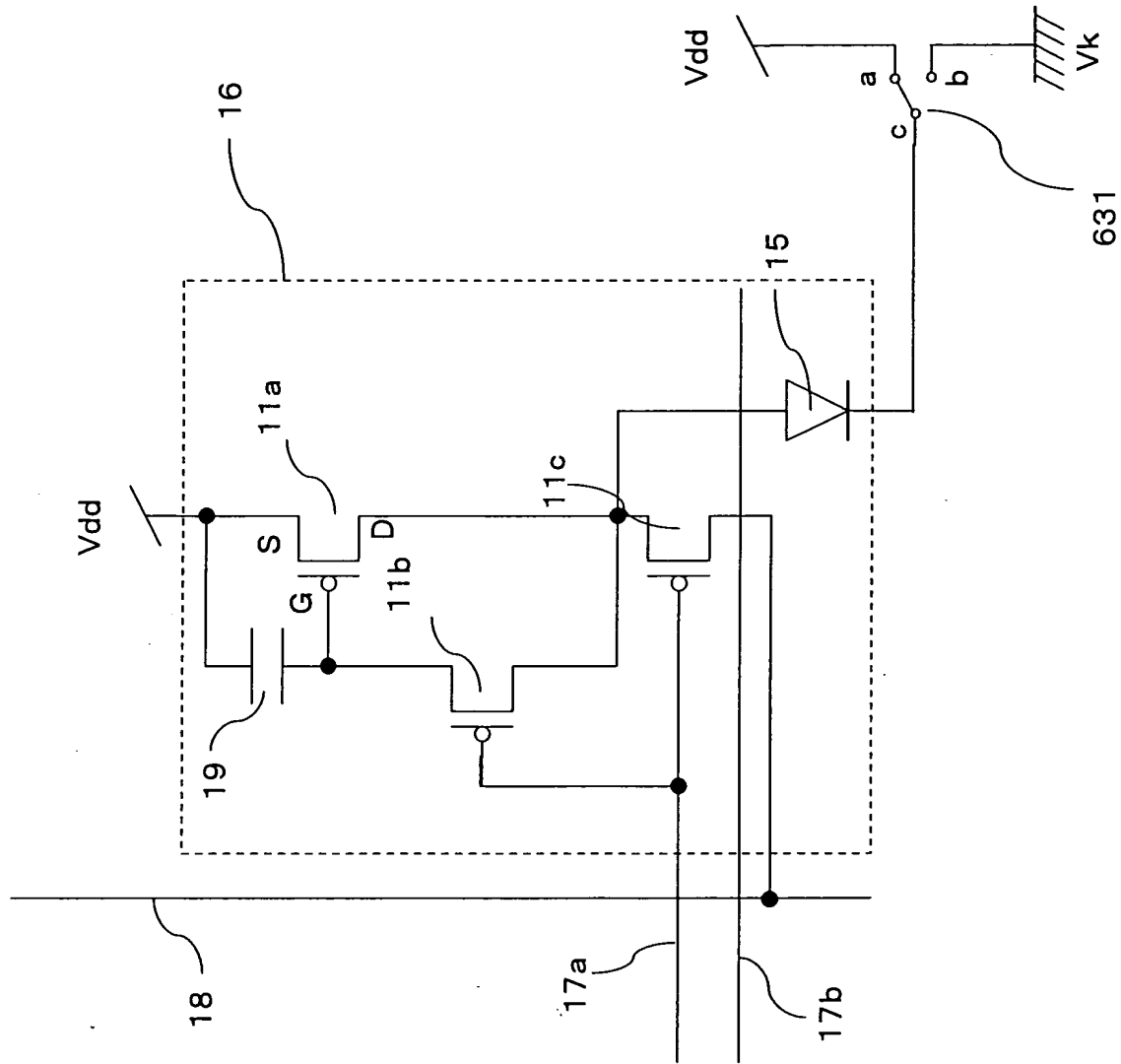


Fig. 63

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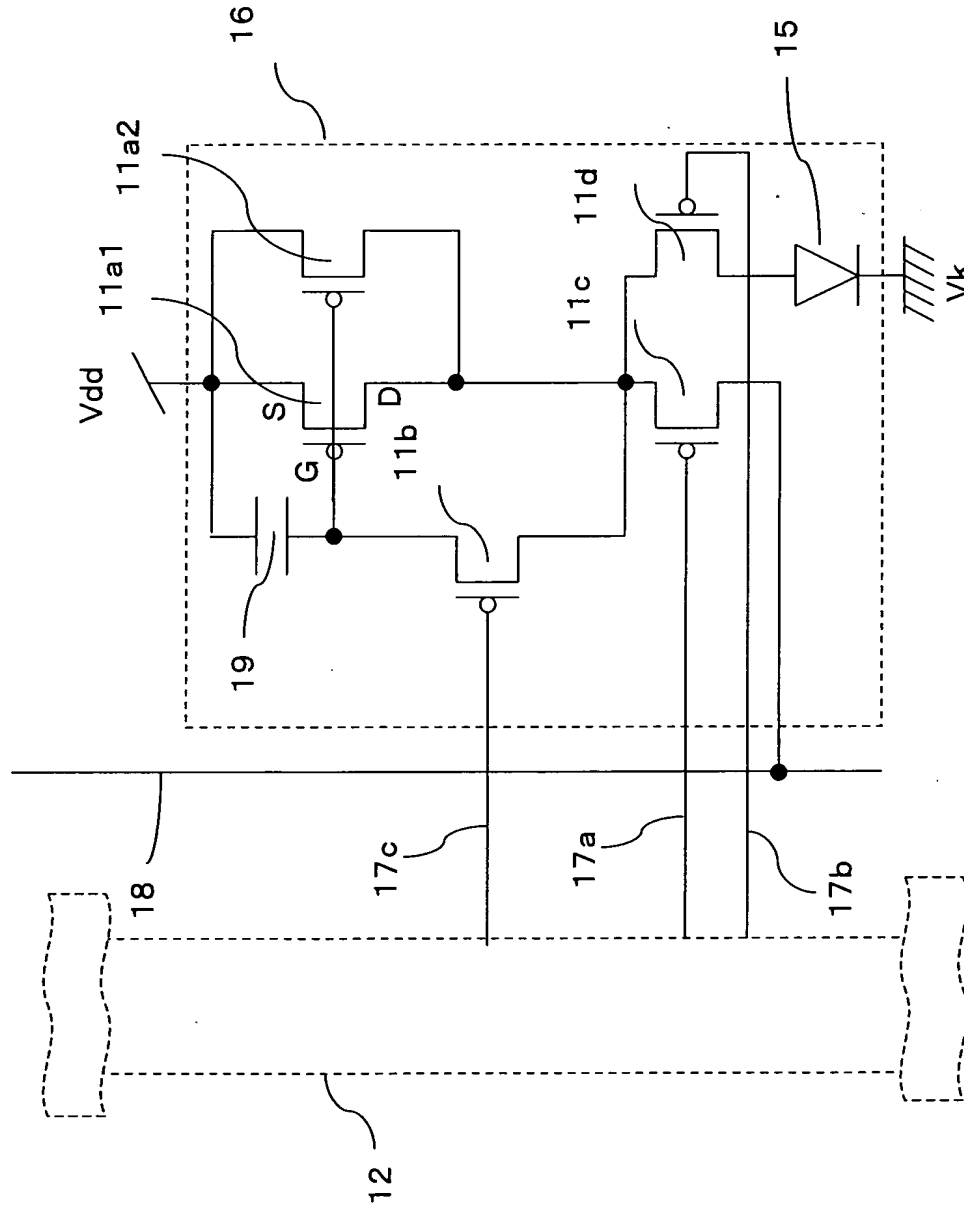


Fig. 64



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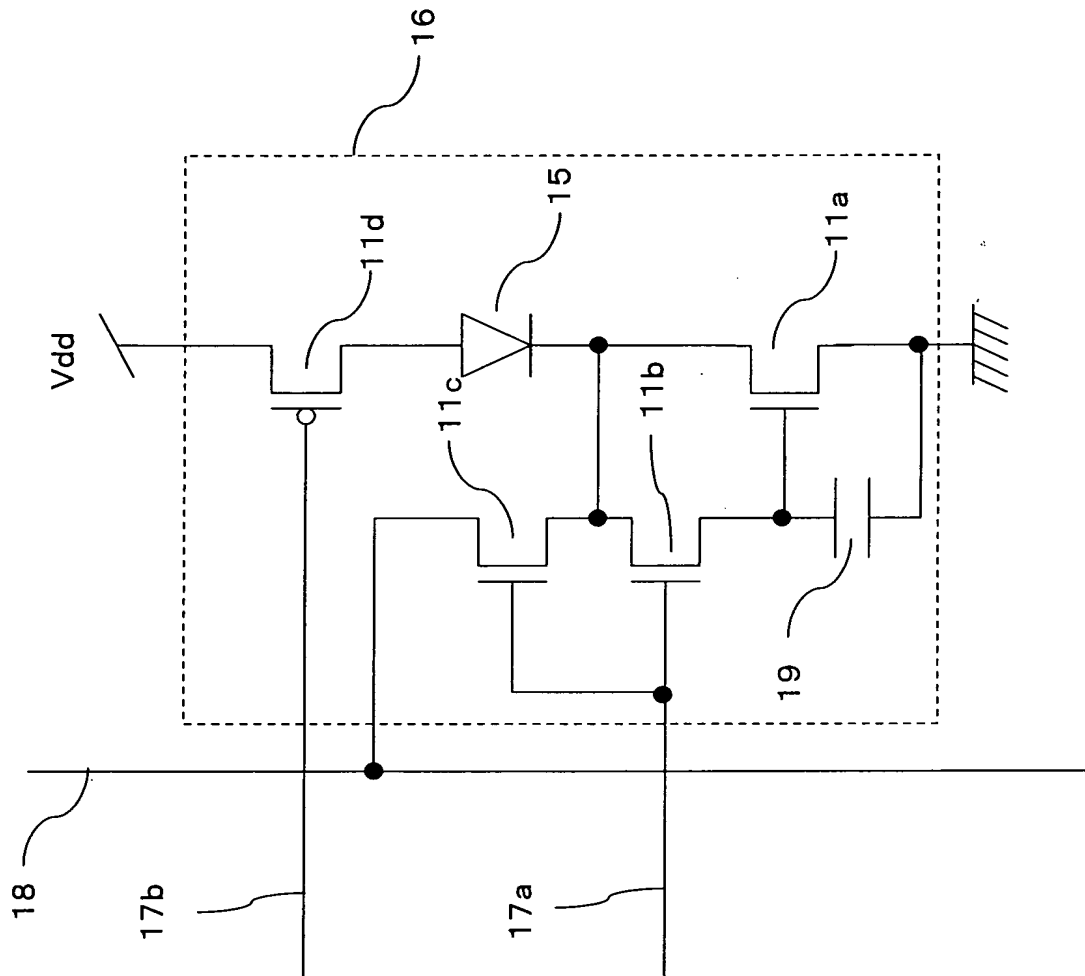


Fig. 65

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Fig. 66 (b)

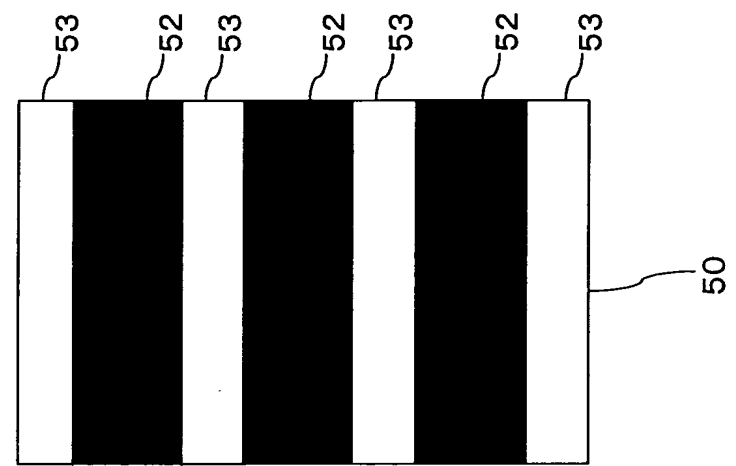
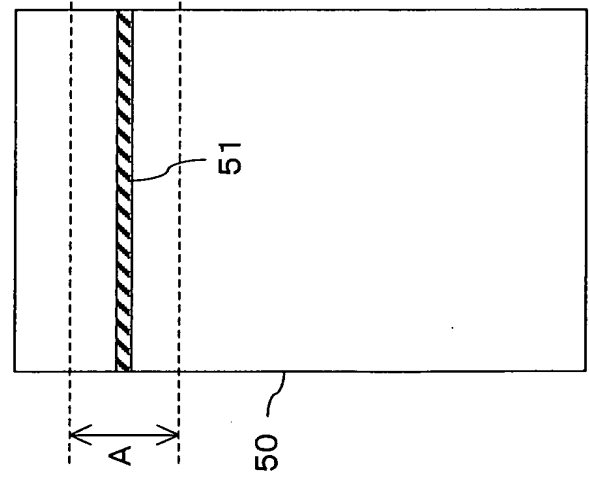


Fig. 66 (a)



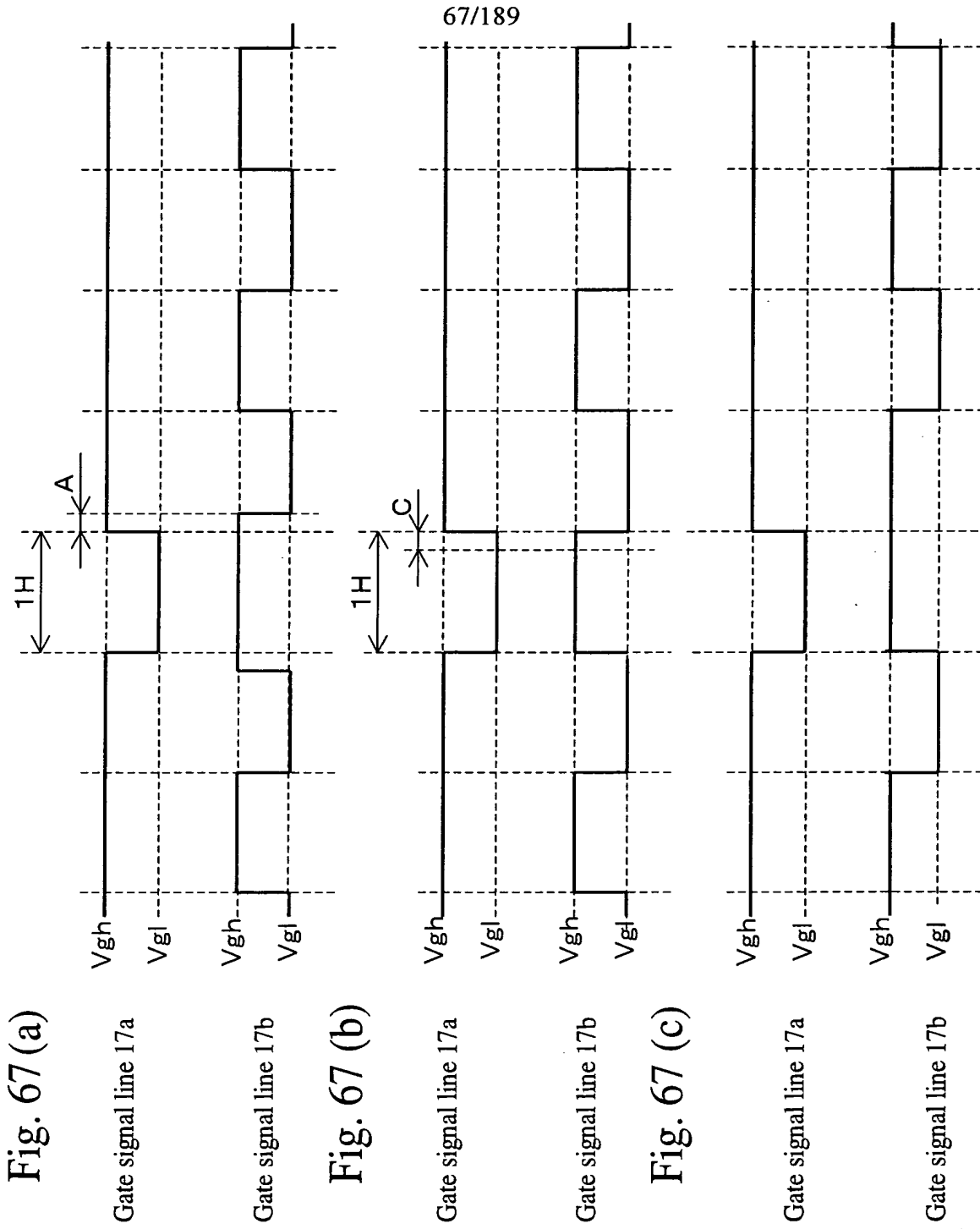
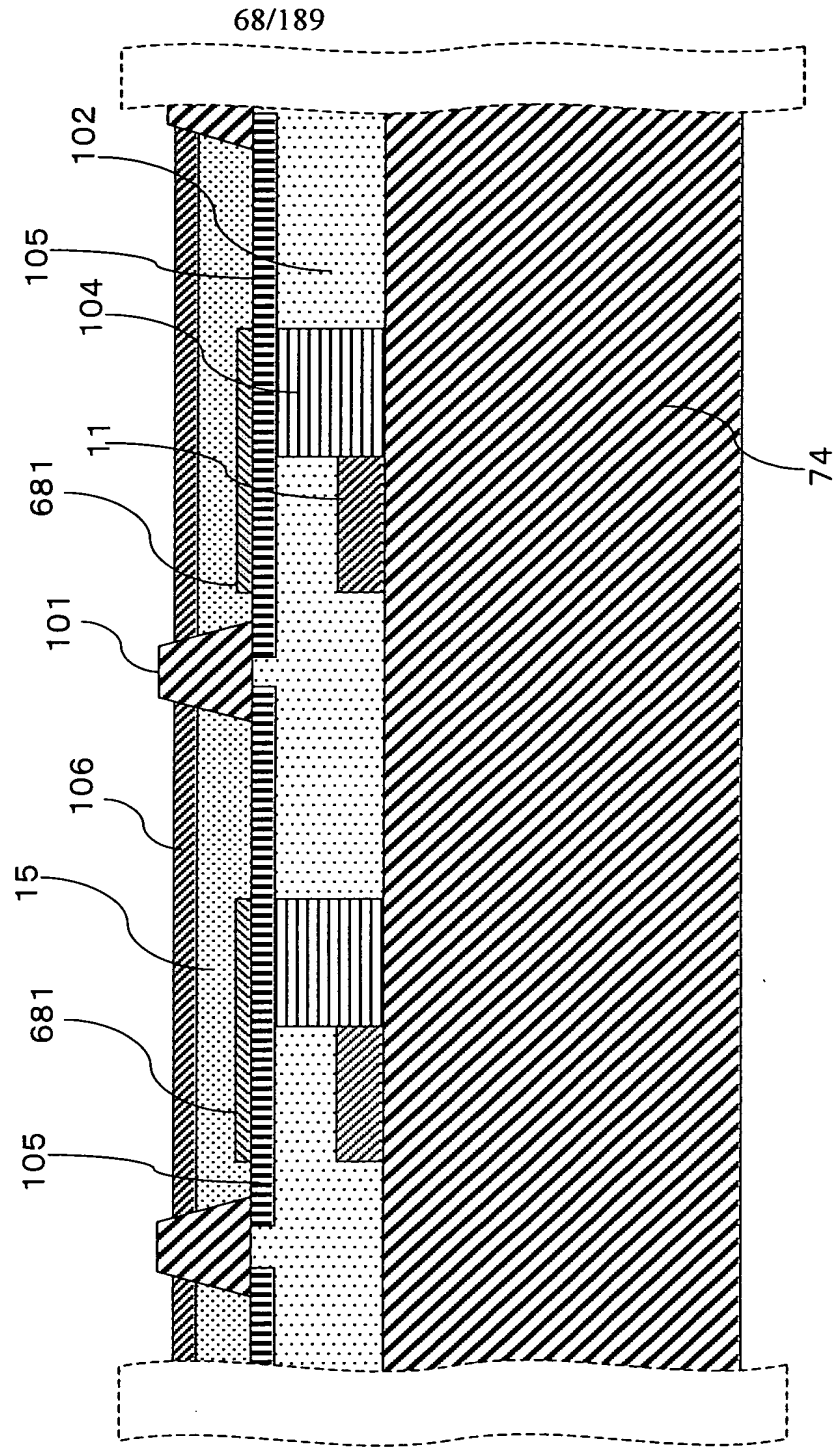


Fig. 68



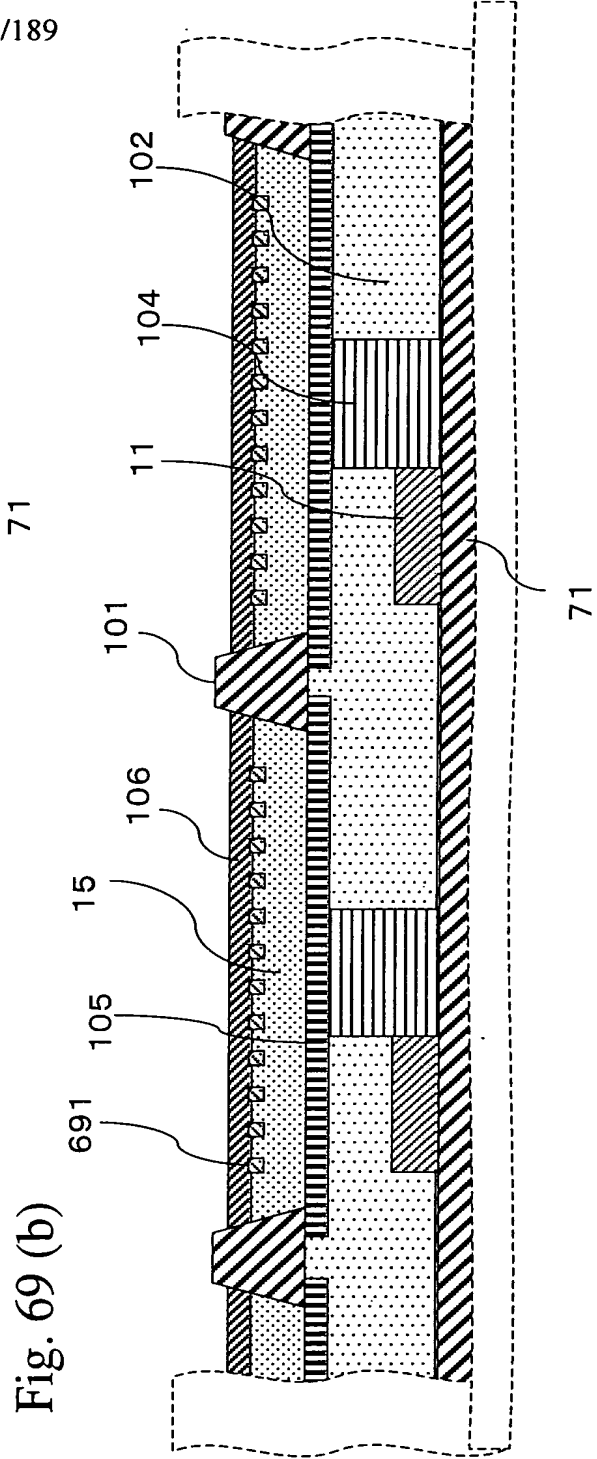
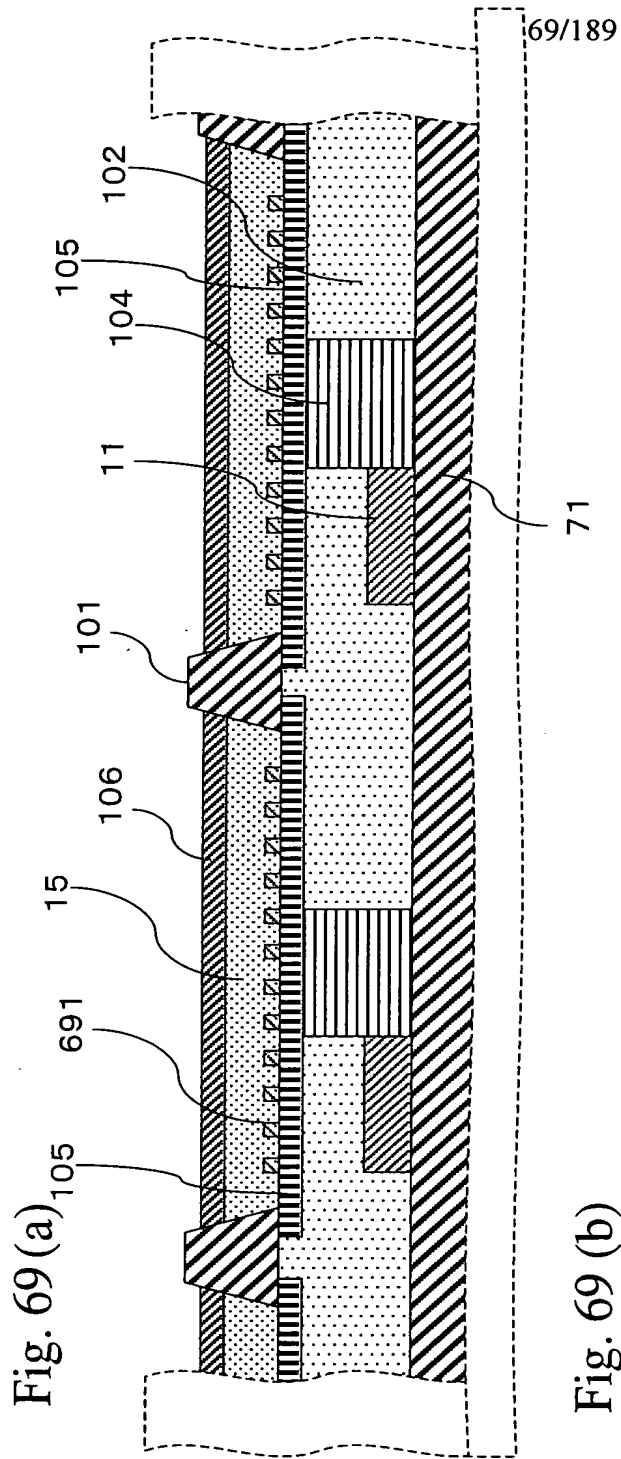
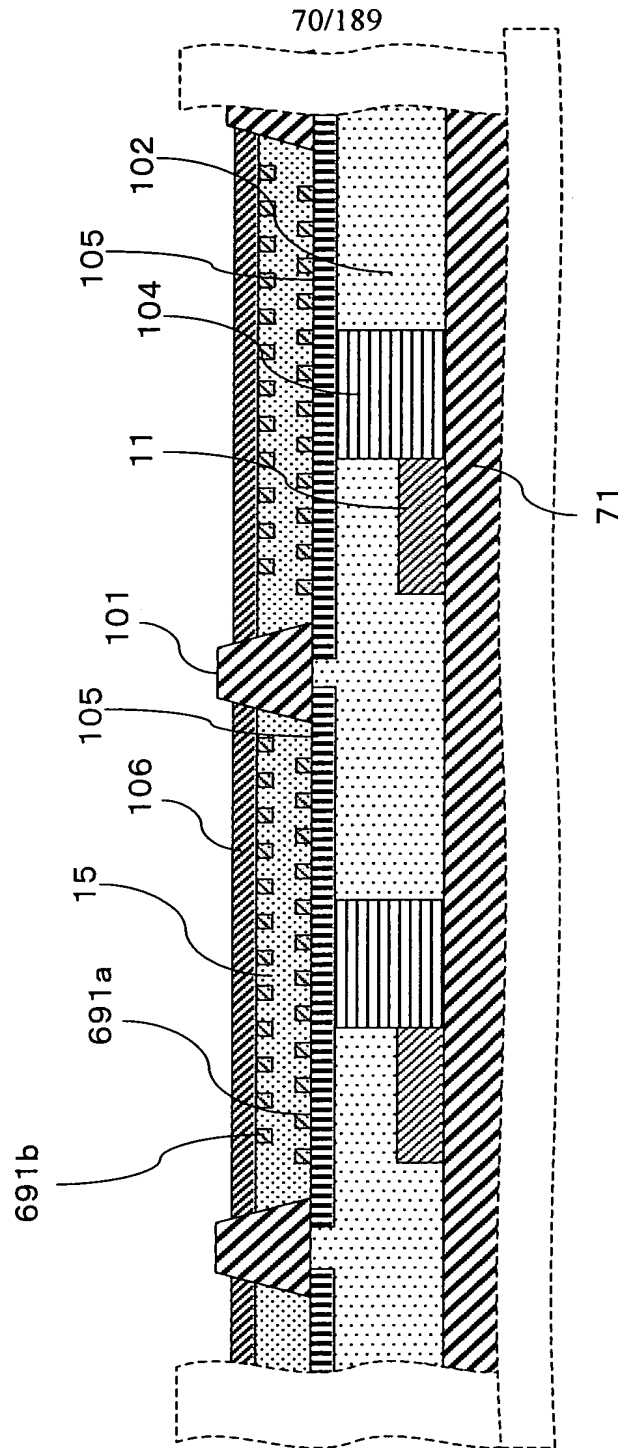
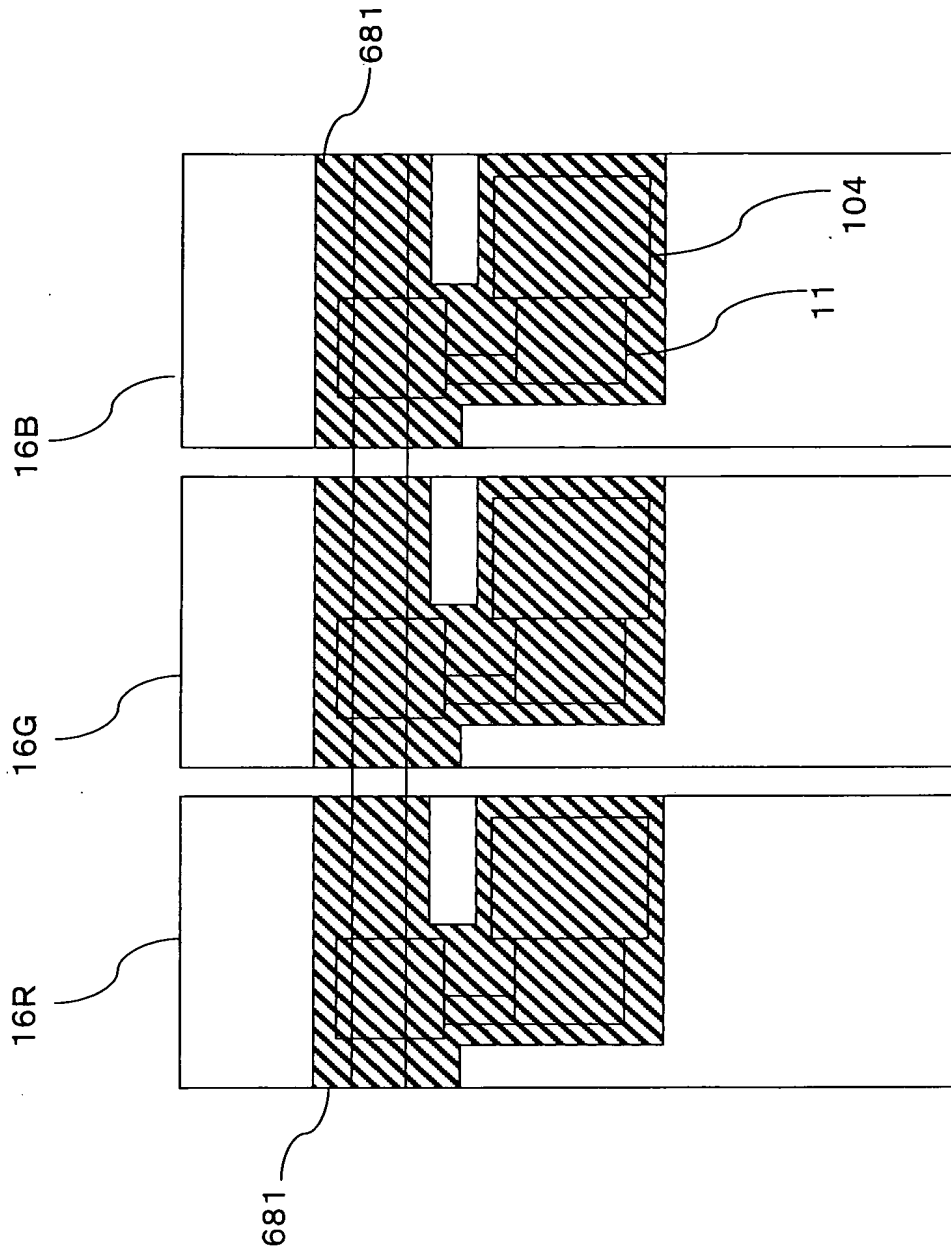


Fig. 70



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Fig. 71



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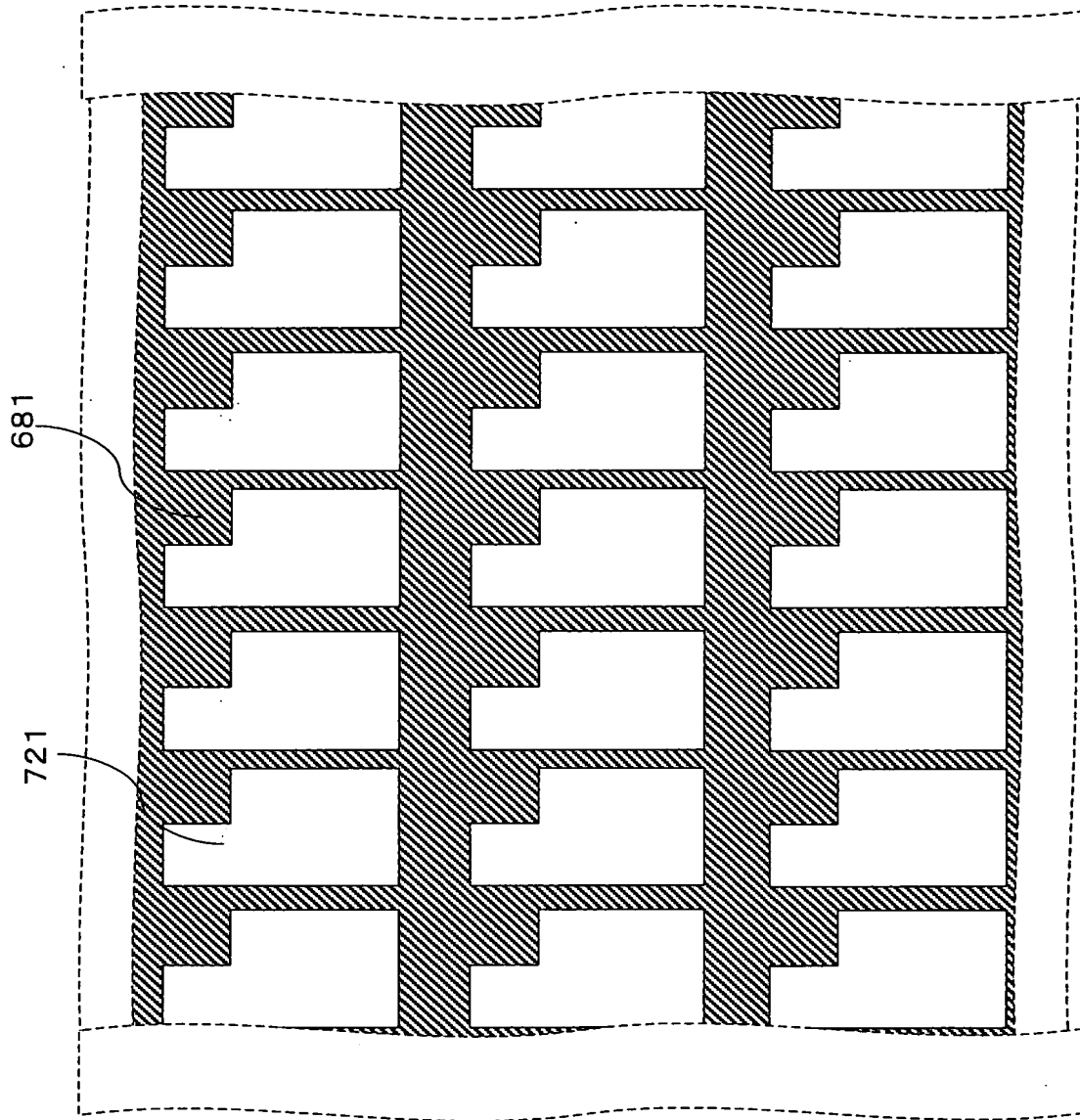
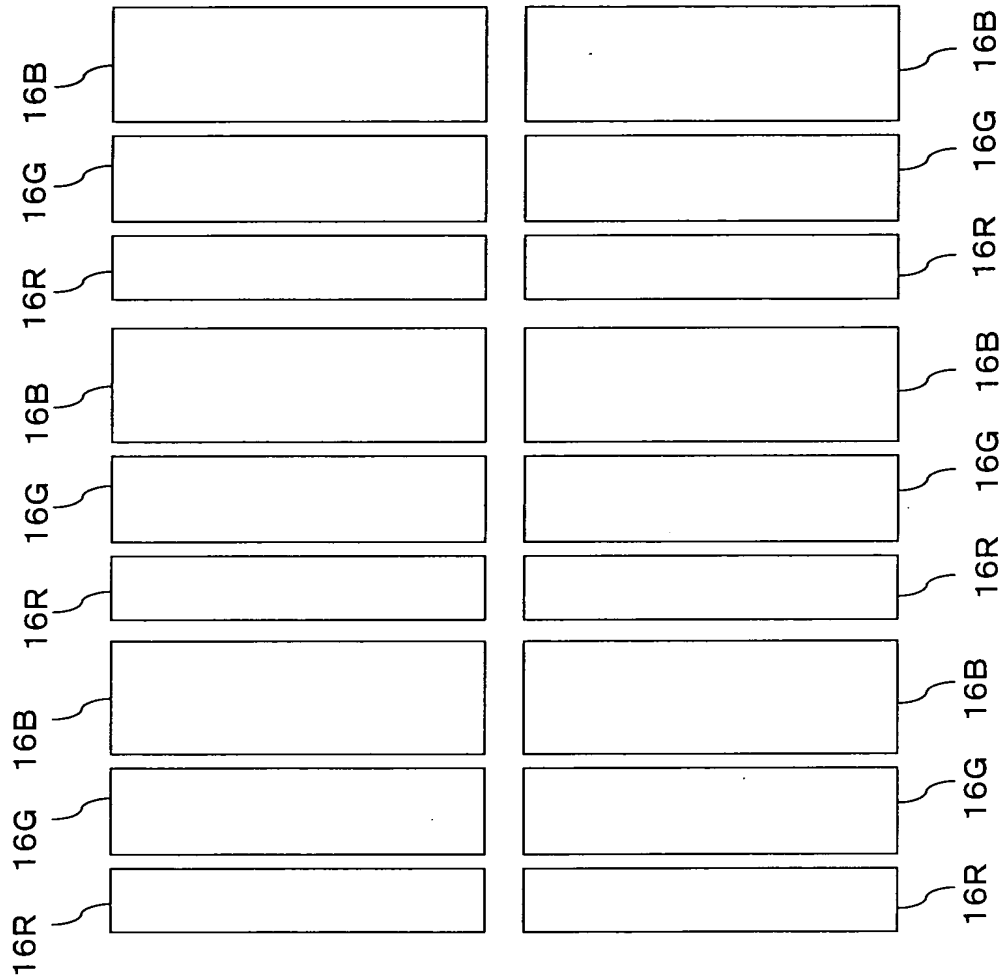


Fig. 72



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Fig. 73



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Fig. 74

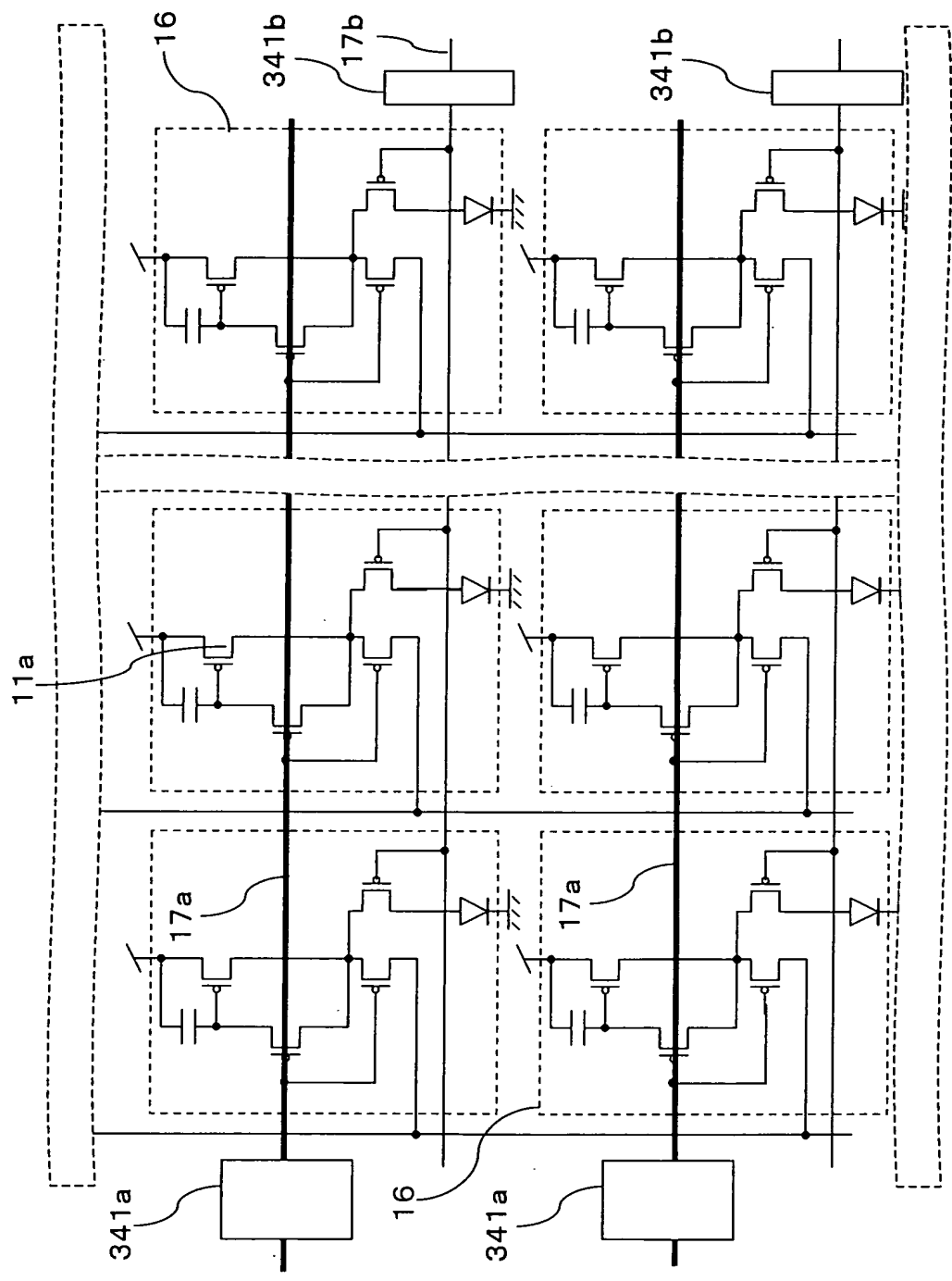




Fig. 76

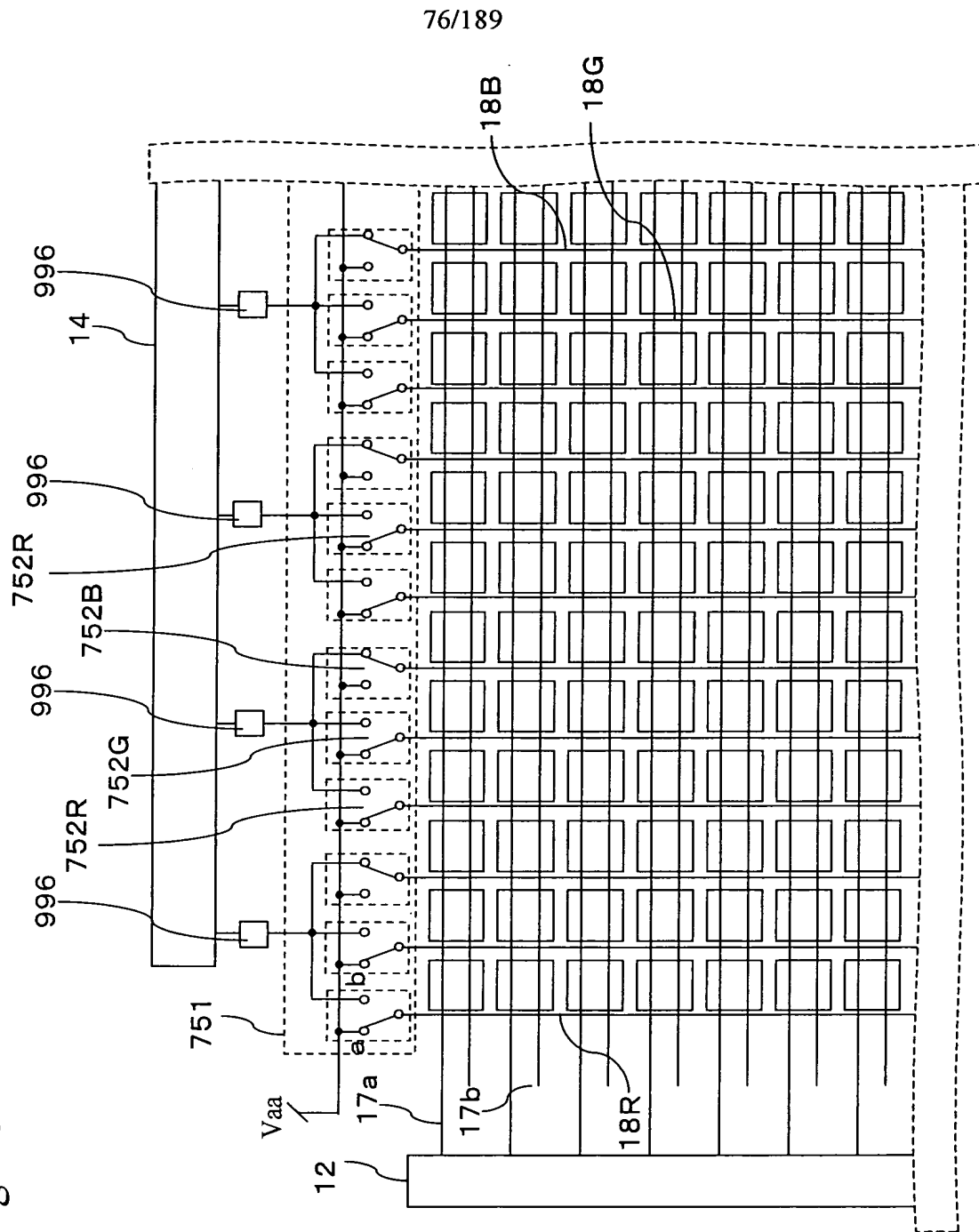


Fig. 77(a)

Fig. 77 (b)

Fig. 77(c)

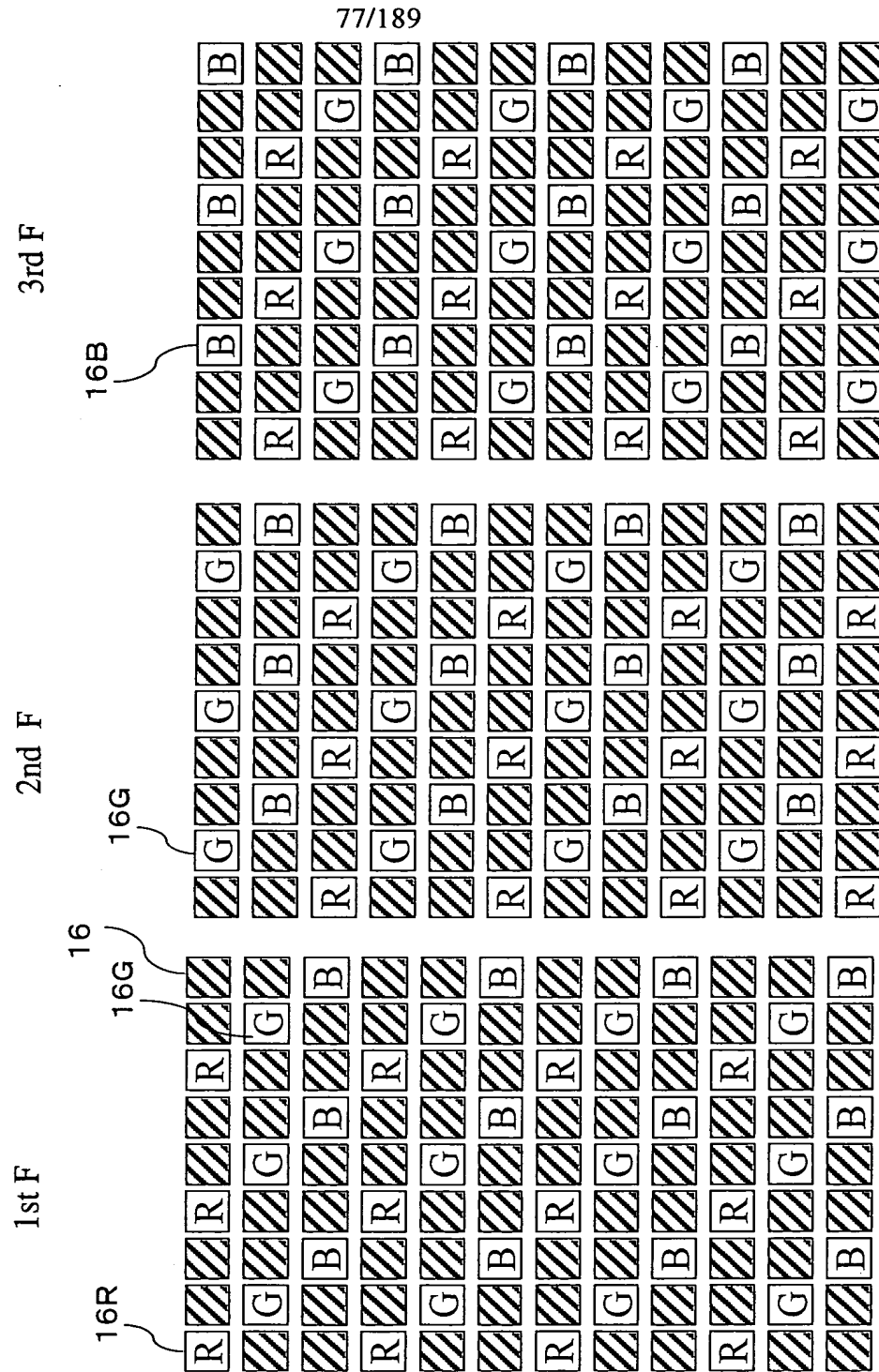


Fig. 78(a)

Fig. 78(b)

Fig. 78(c)

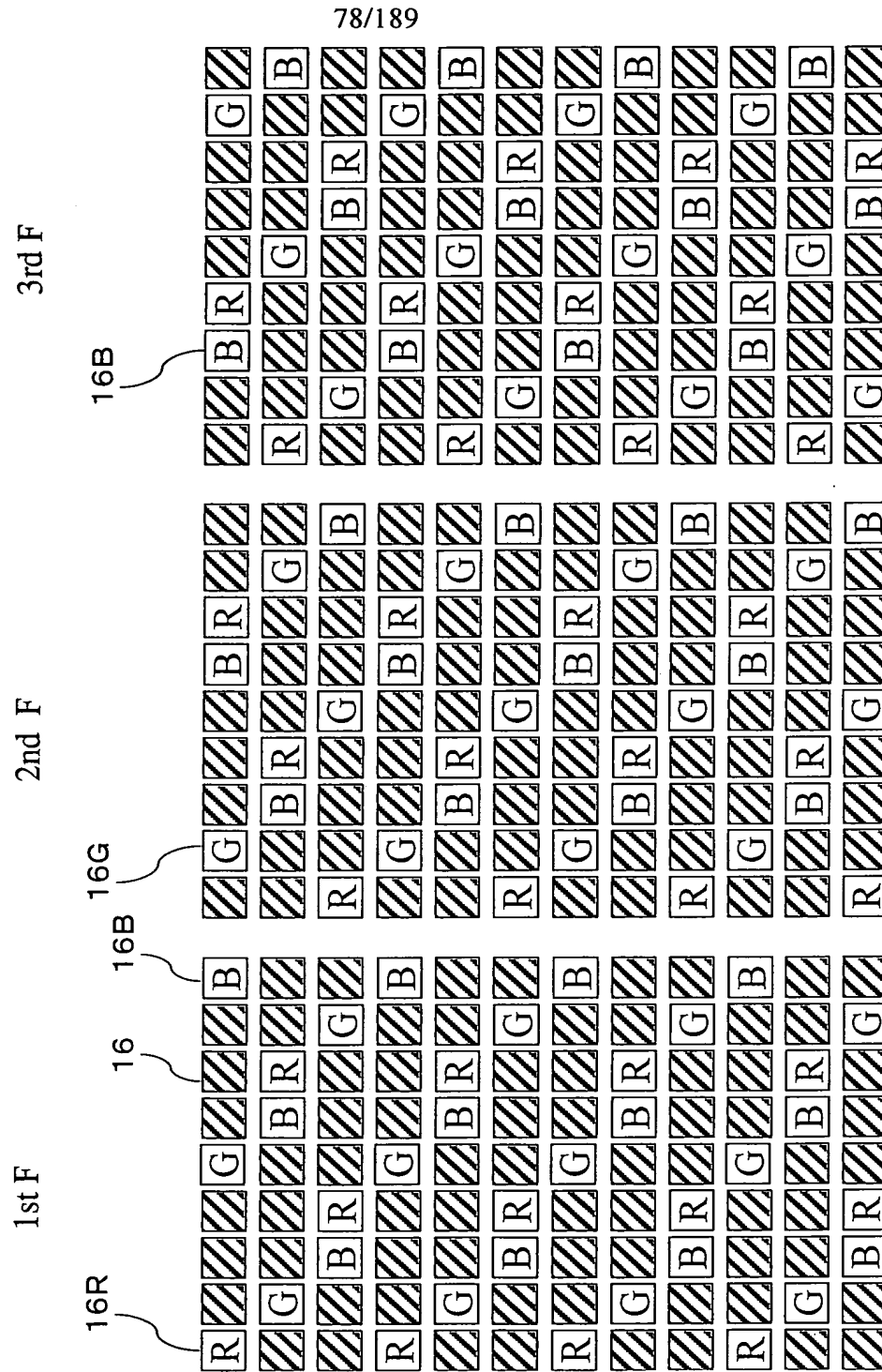


Fig. 79(a)

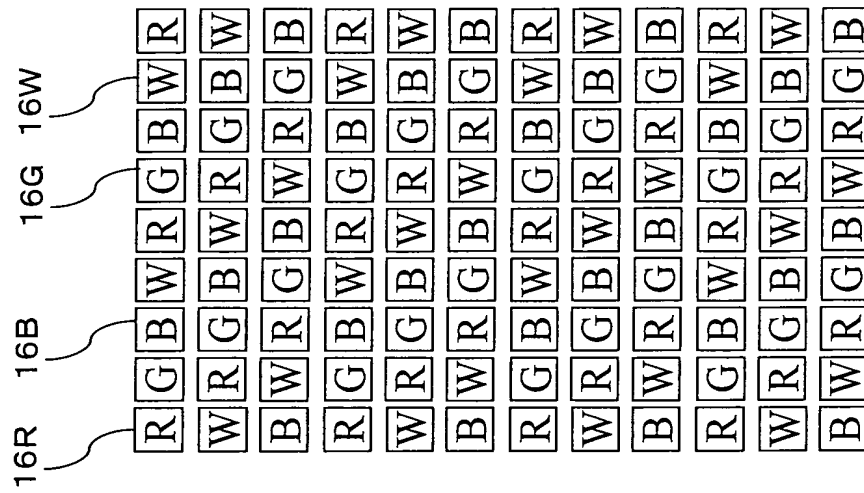
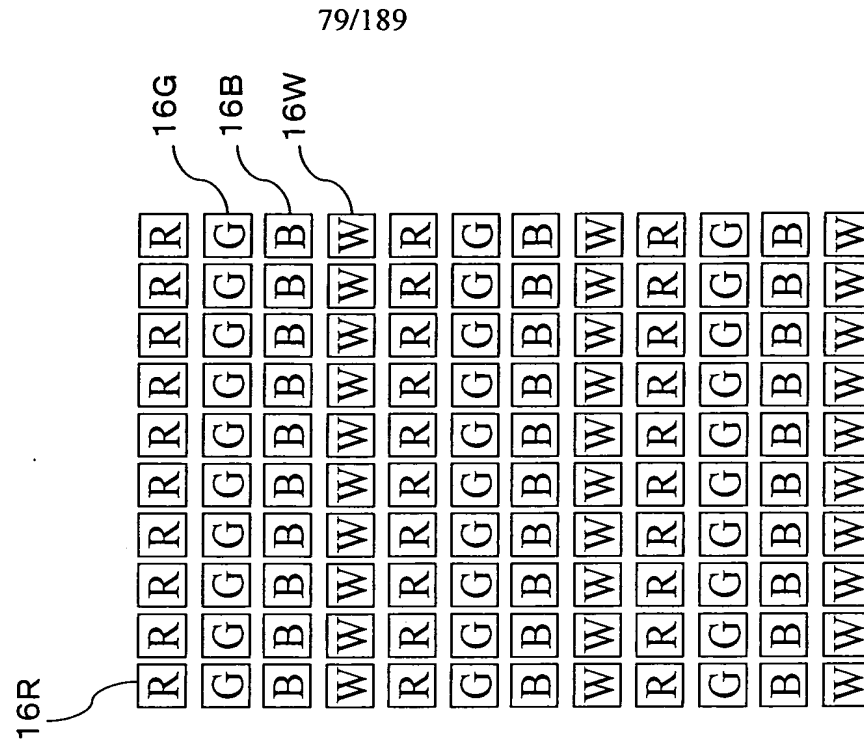


Fig. 79(b)



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Fig. 80 (a)

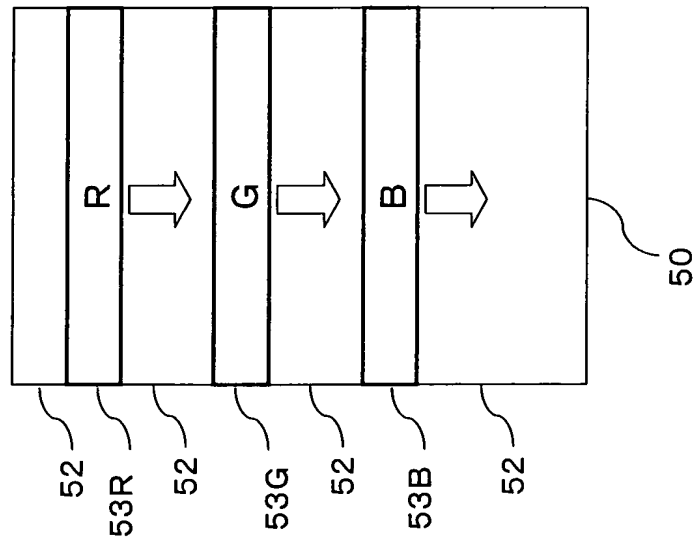
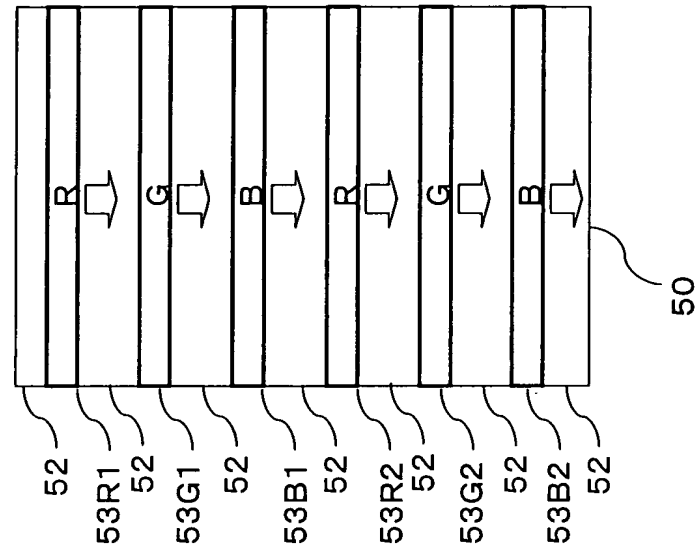


Fig. 80 (b)





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Fig. 81 (a)

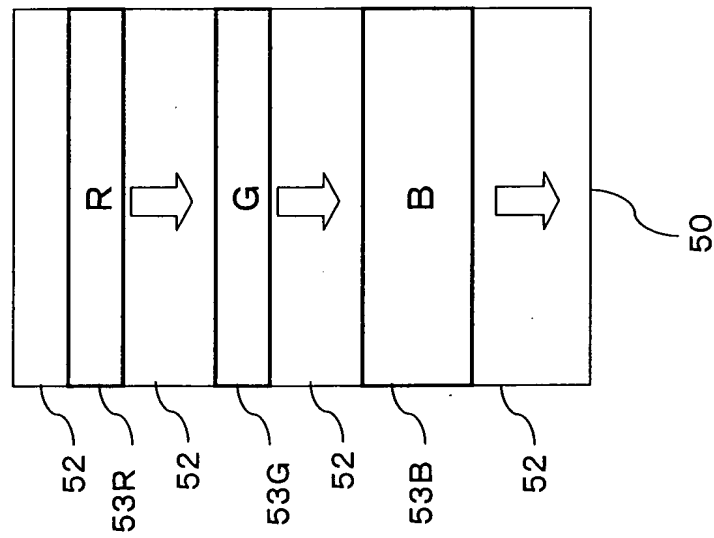


Fig. 81 (b)

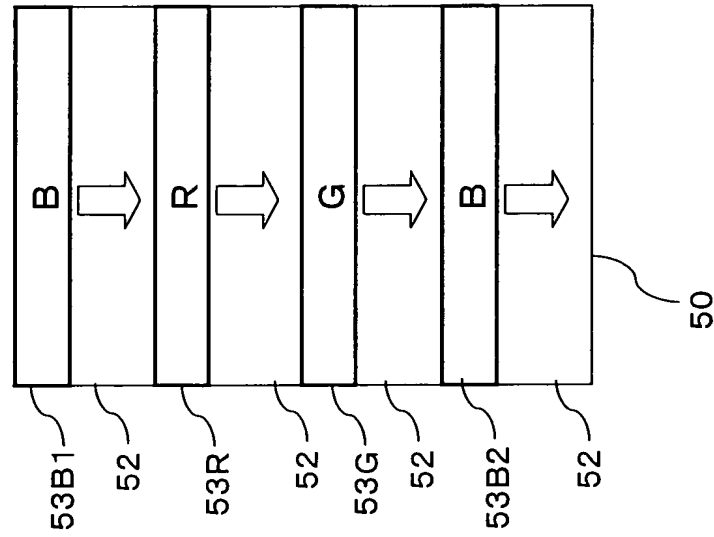
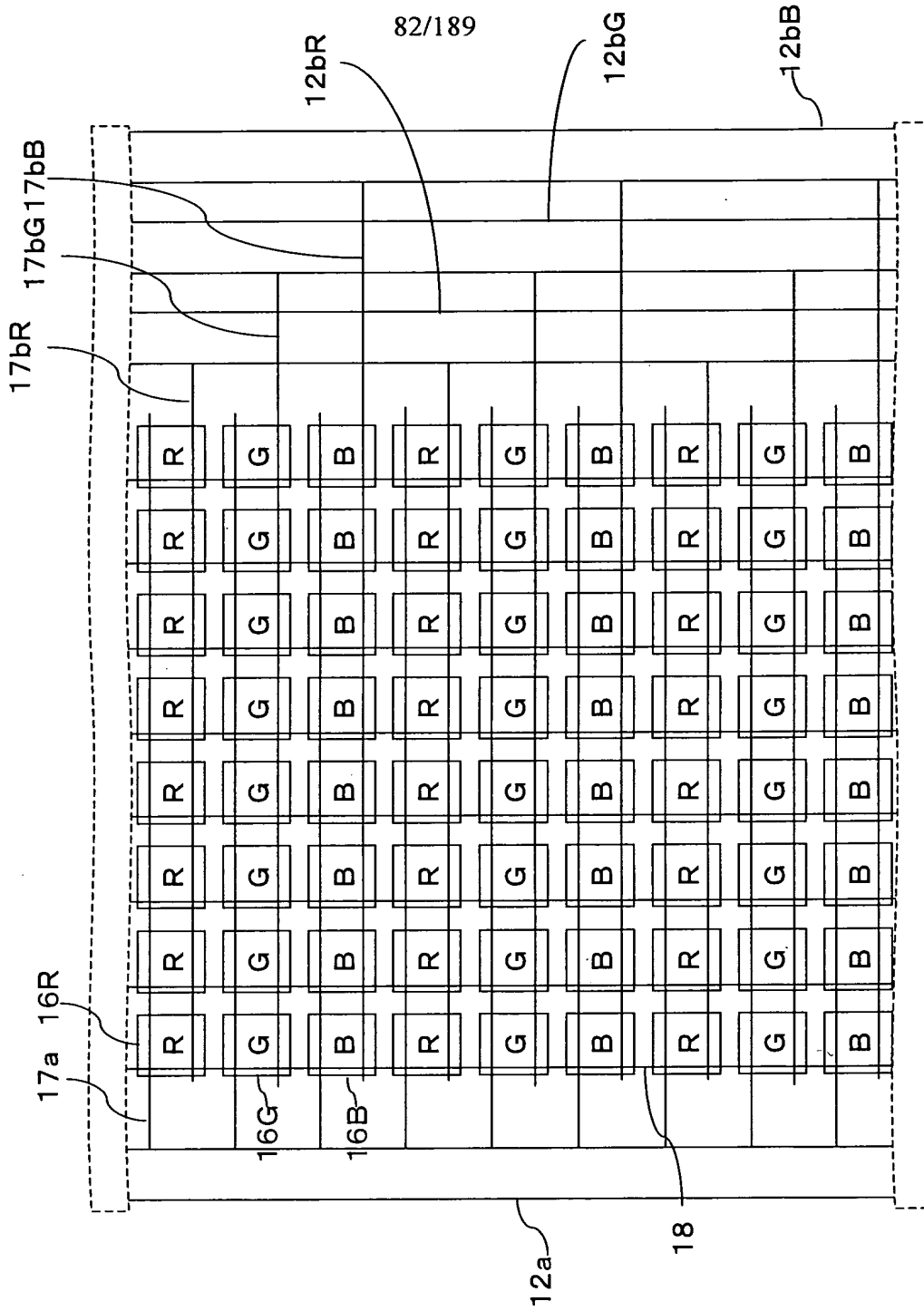
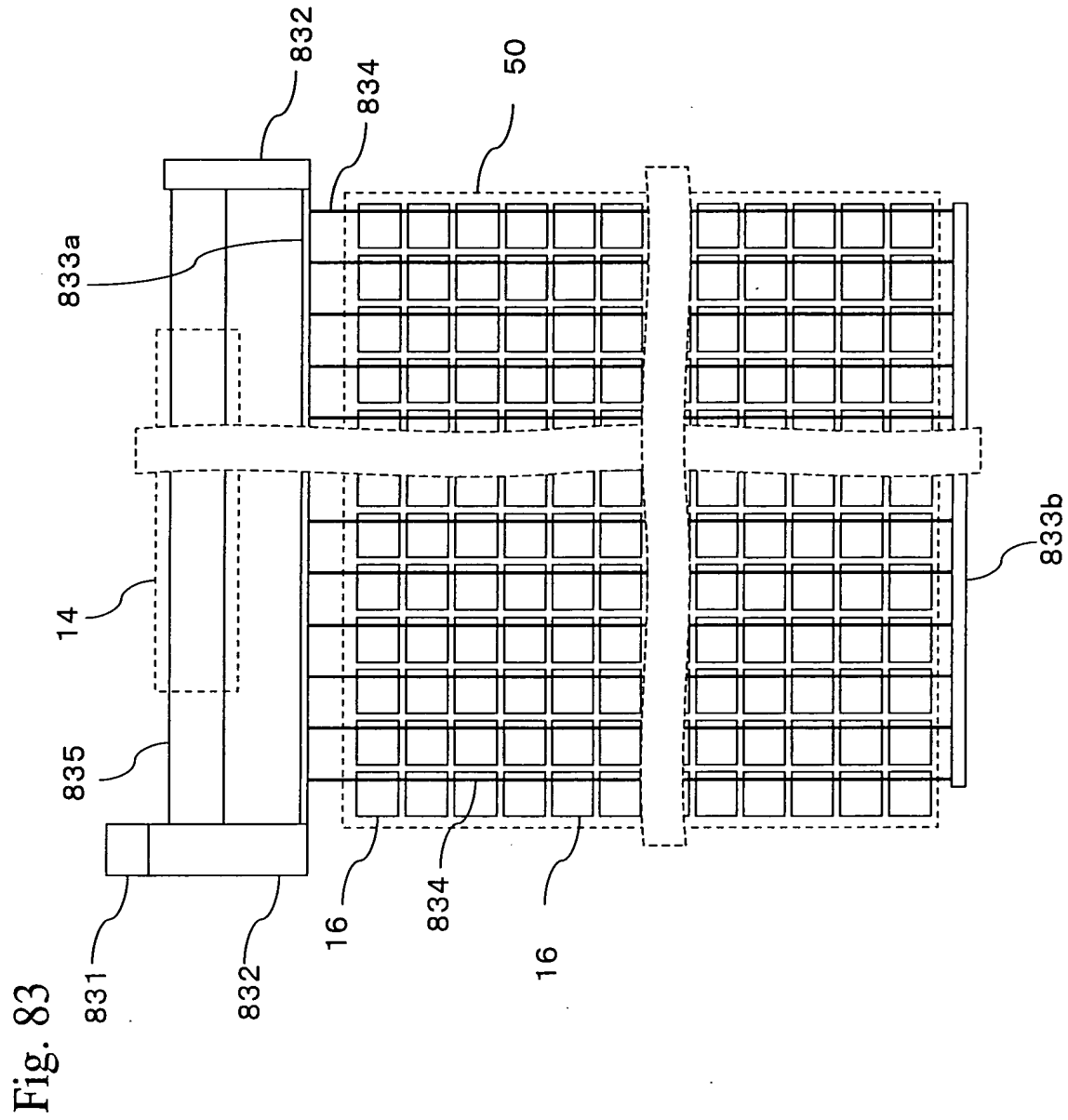


Fig. 82

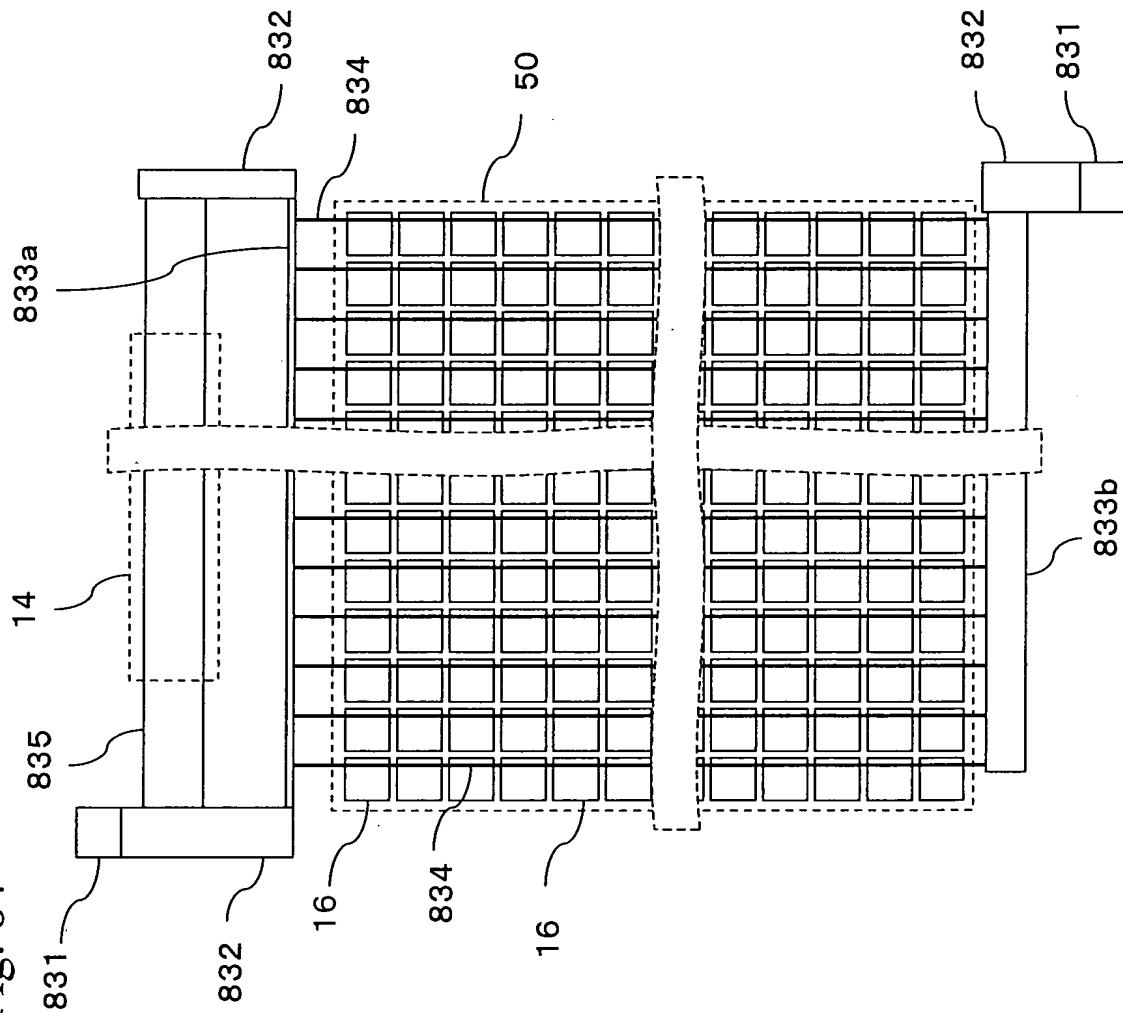


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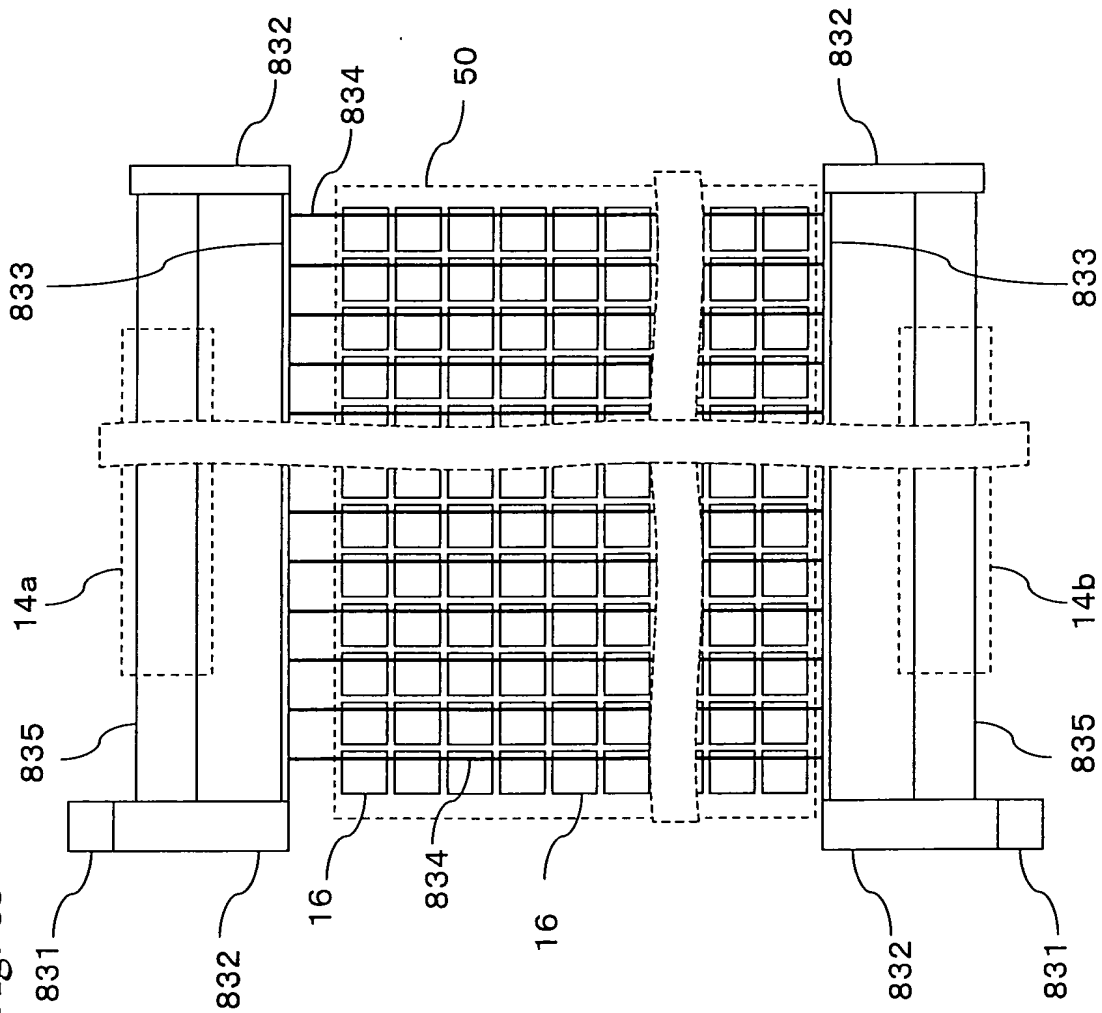
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Fig. 84



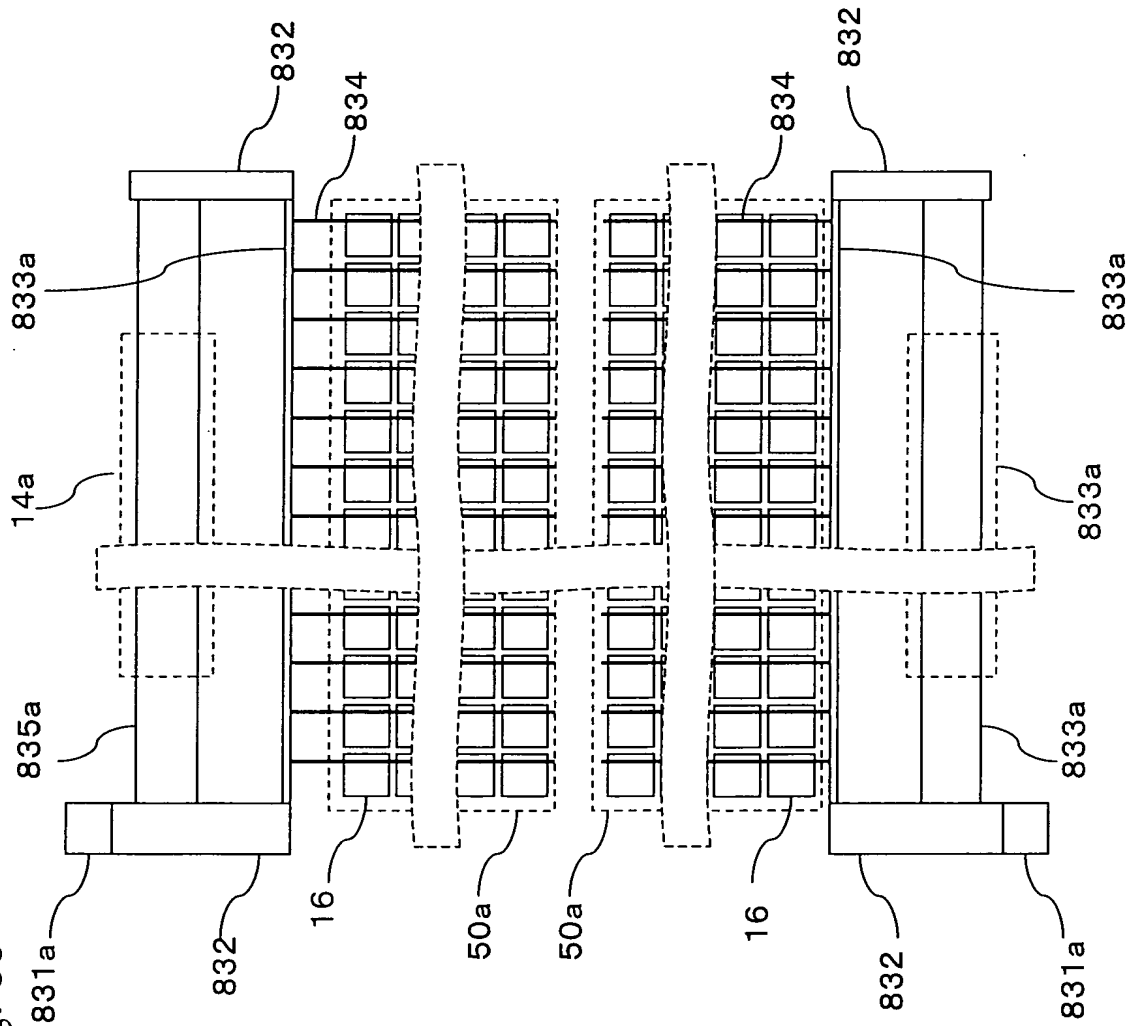
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Fig. 85



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Fig. 86



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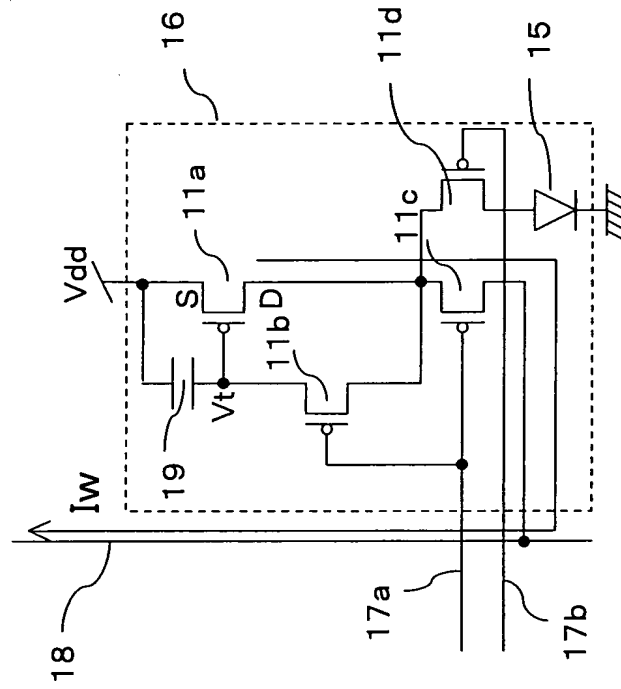


Fig. 87

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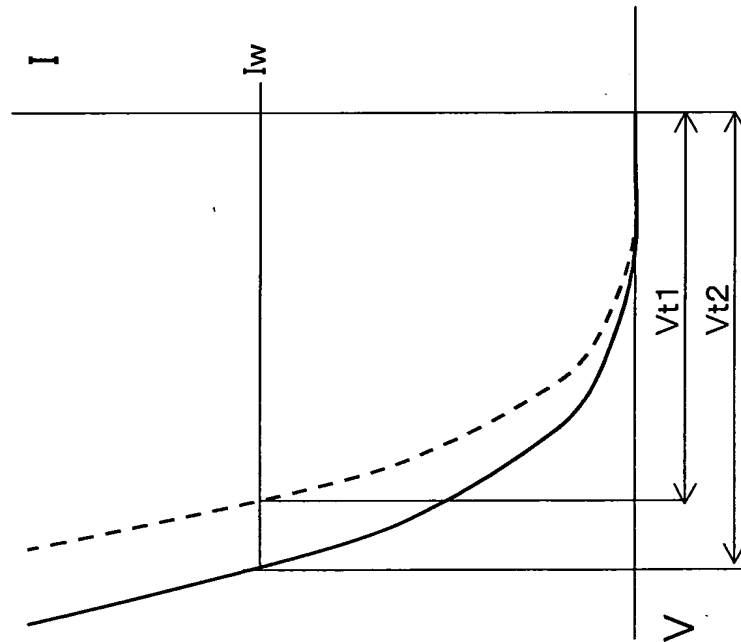


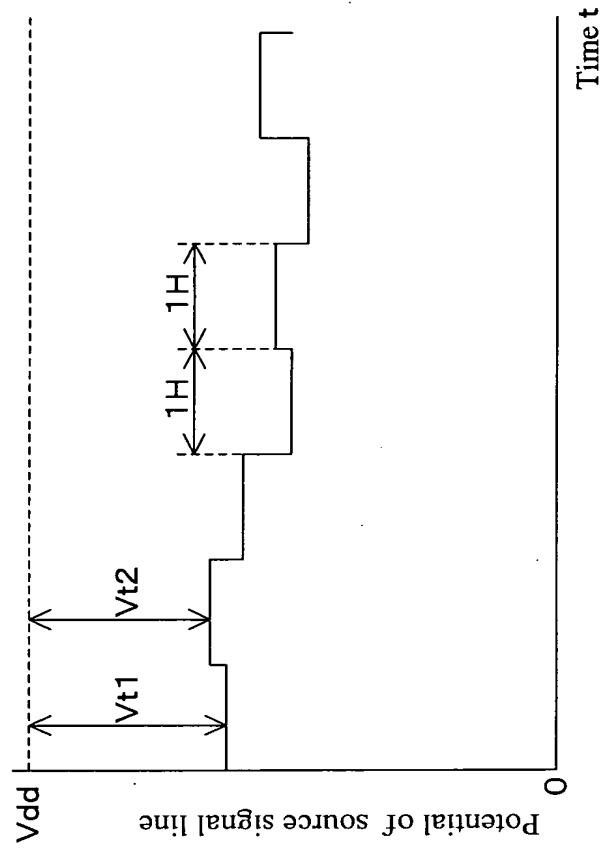
Fig. 88



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Fig. 89

Potential of source signal line when current  $I_w$  is applied



Top of the screen 50 ← → Bottom of the screen 50

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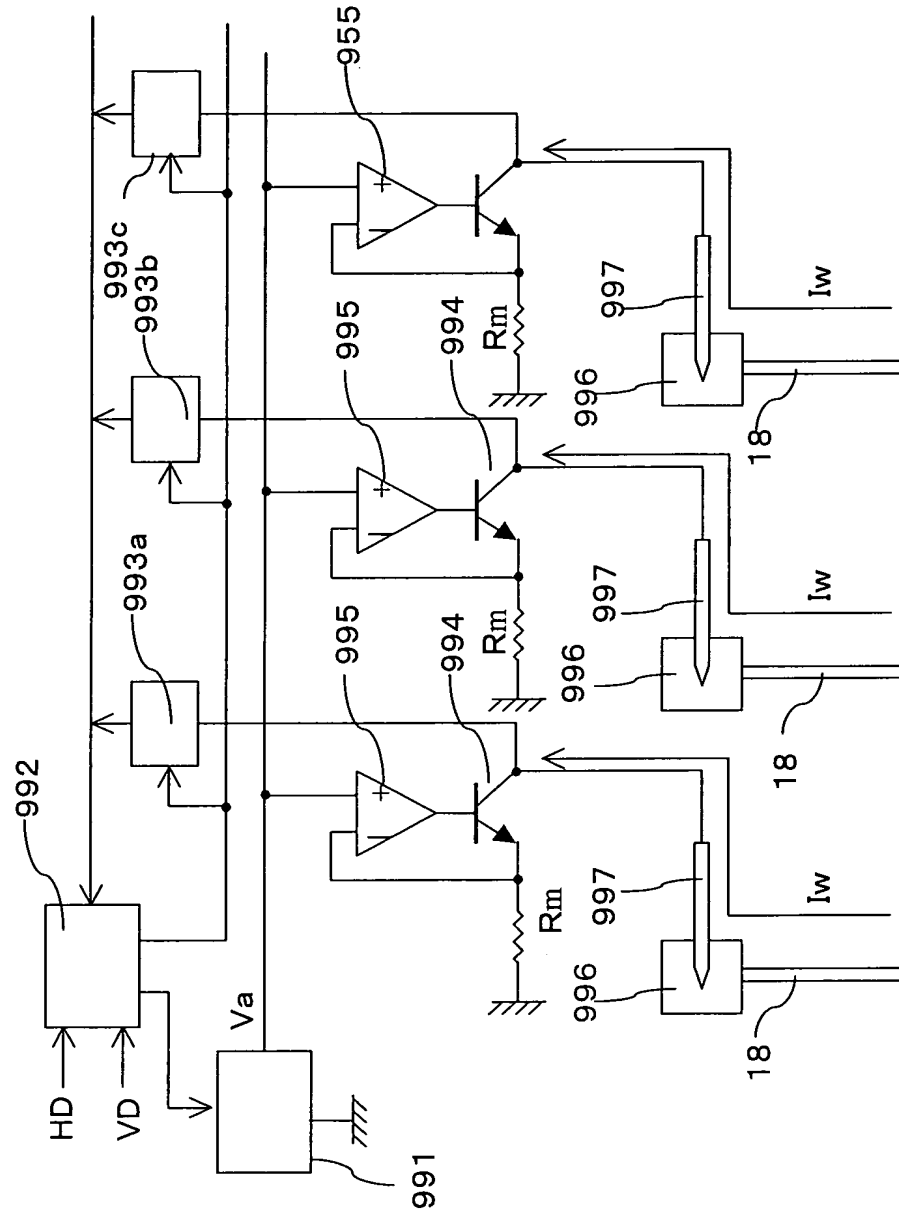


Fig. 90

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Fig. 91 (a)

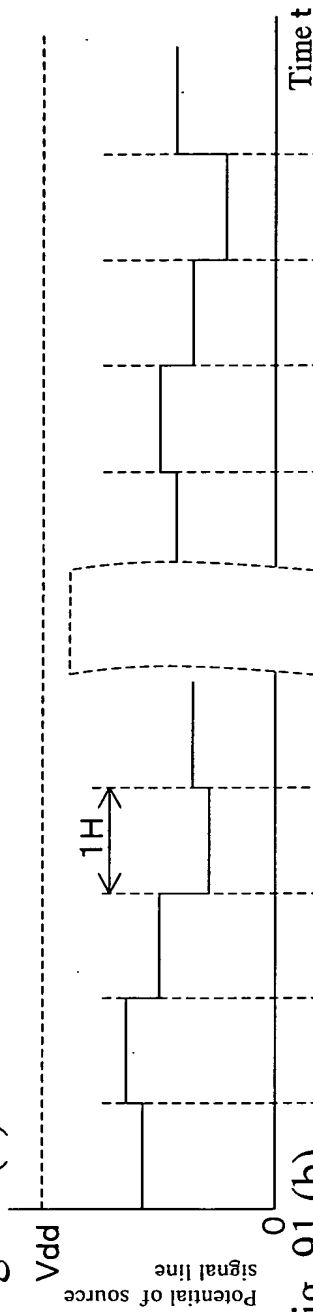


Fig. 91 (b)

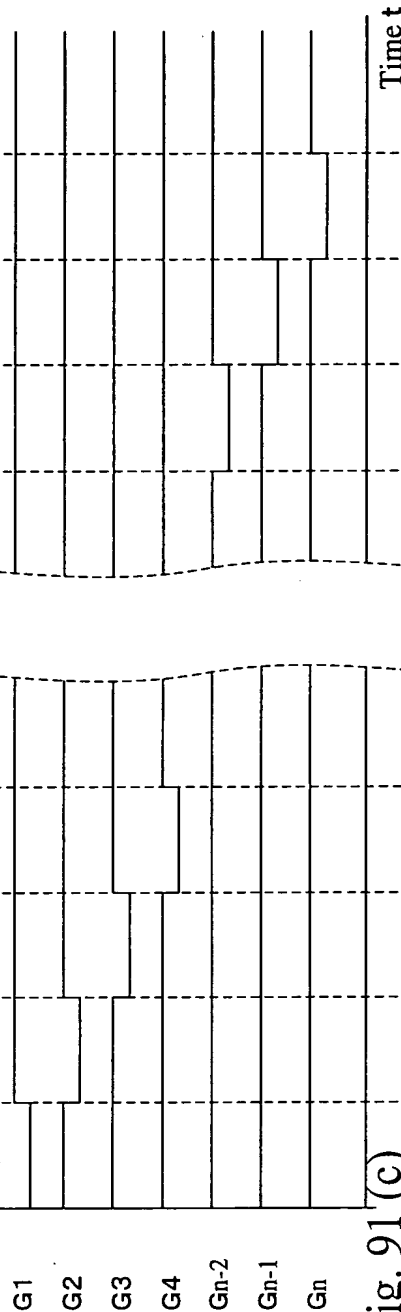
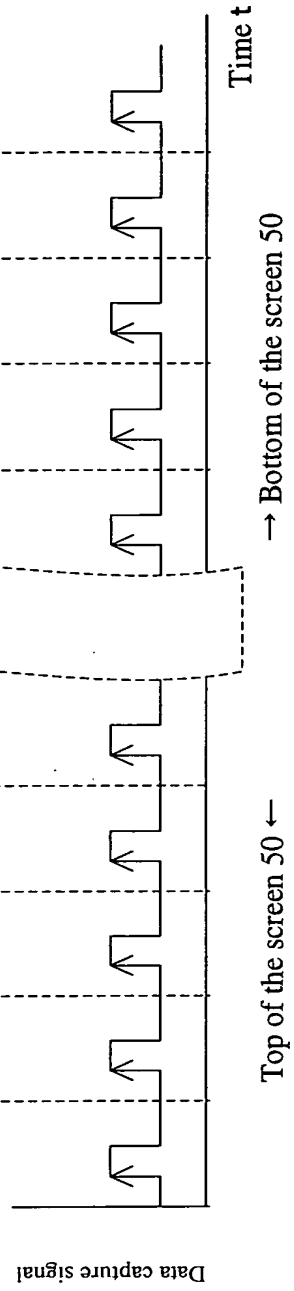


Fig. 91 (c)



Top of the screen 50 ←

→ Bottom of the screen 50

Fig. 92(a)

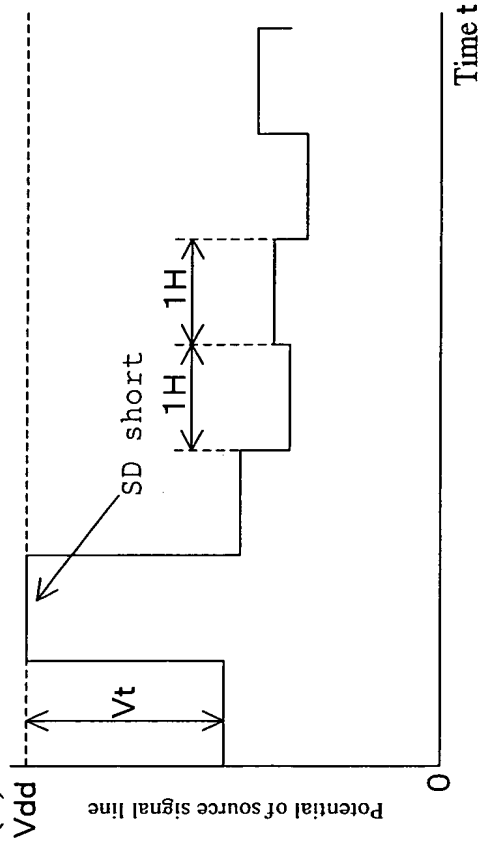
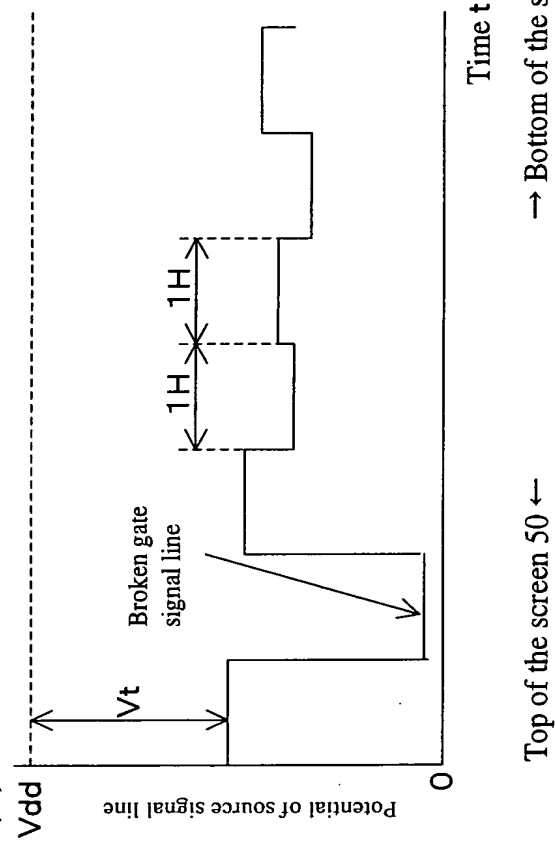


Fig. 92(b)



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Fig. 93(a)

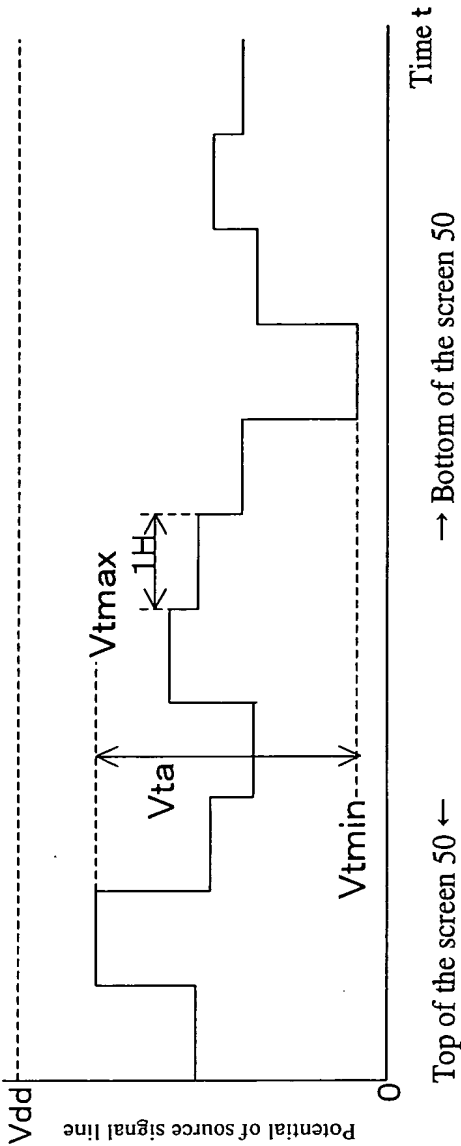
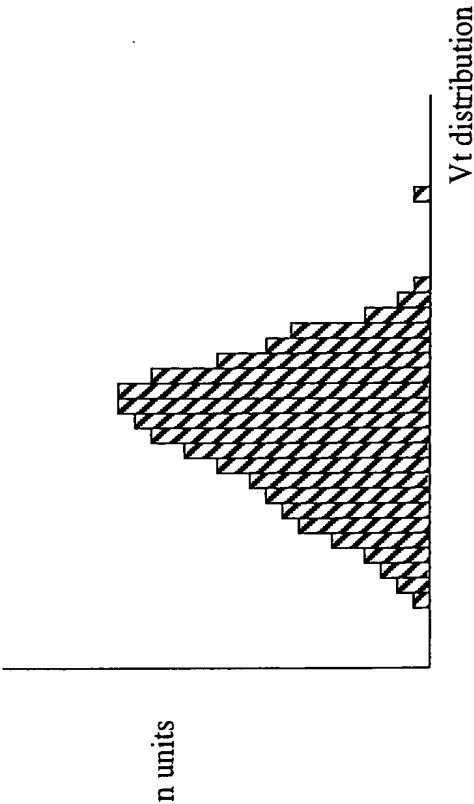


Fig. 93(b)



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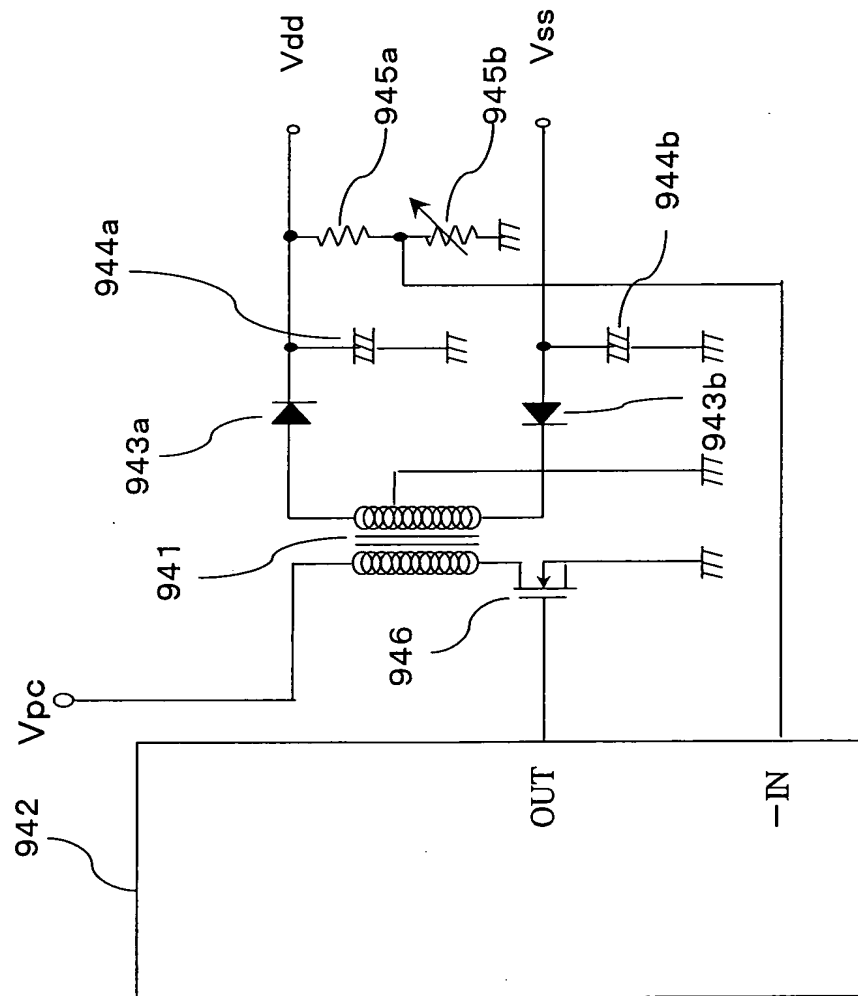
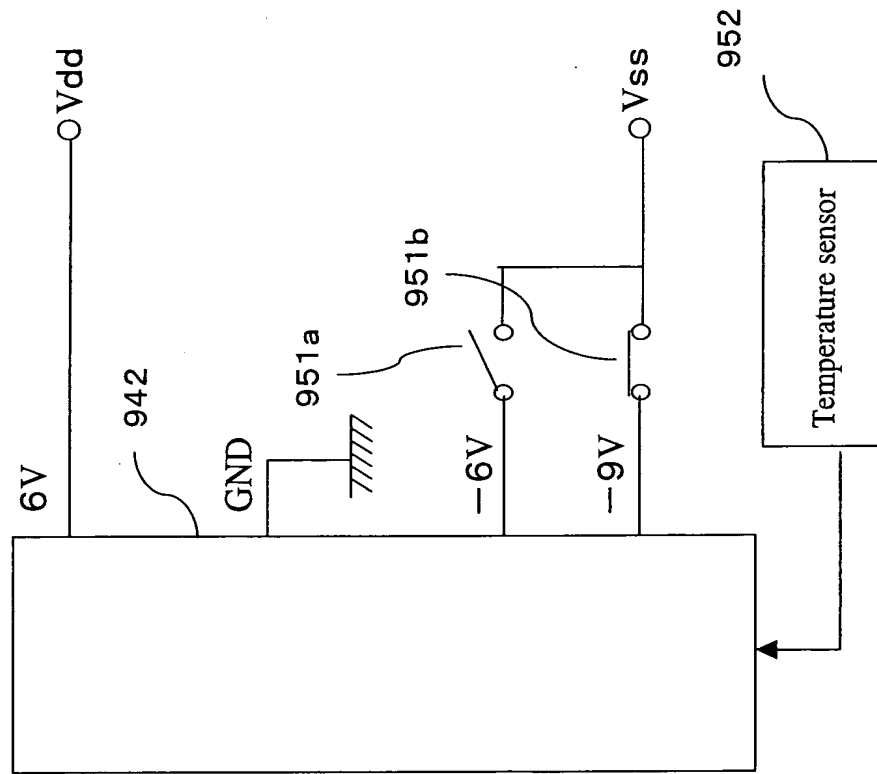


Fig. 94

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Fig. 95



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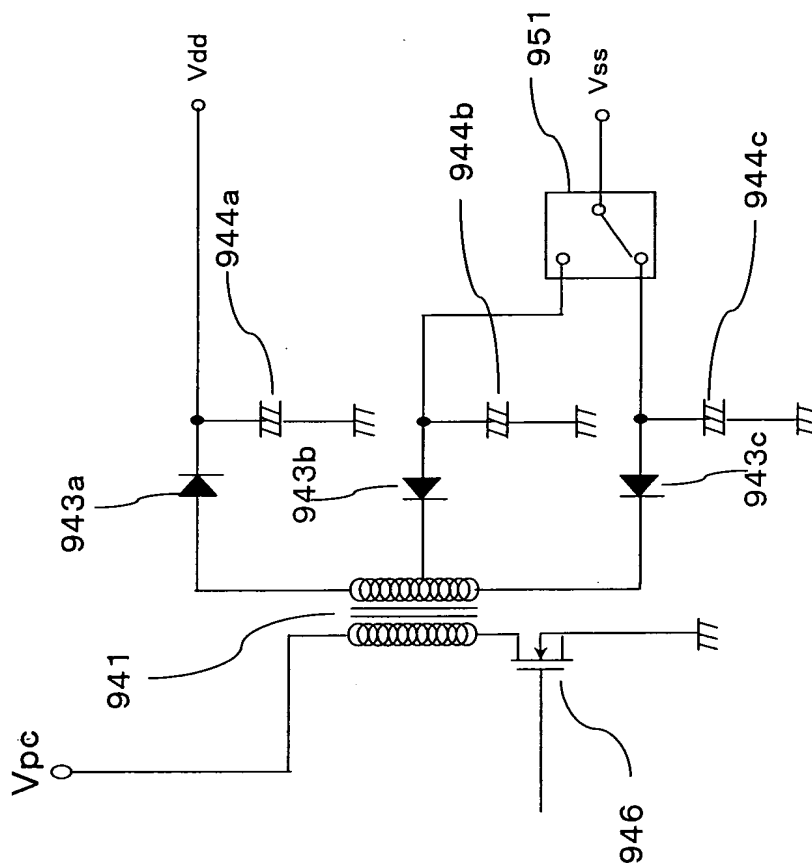


Fig. 96



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Fig. 97

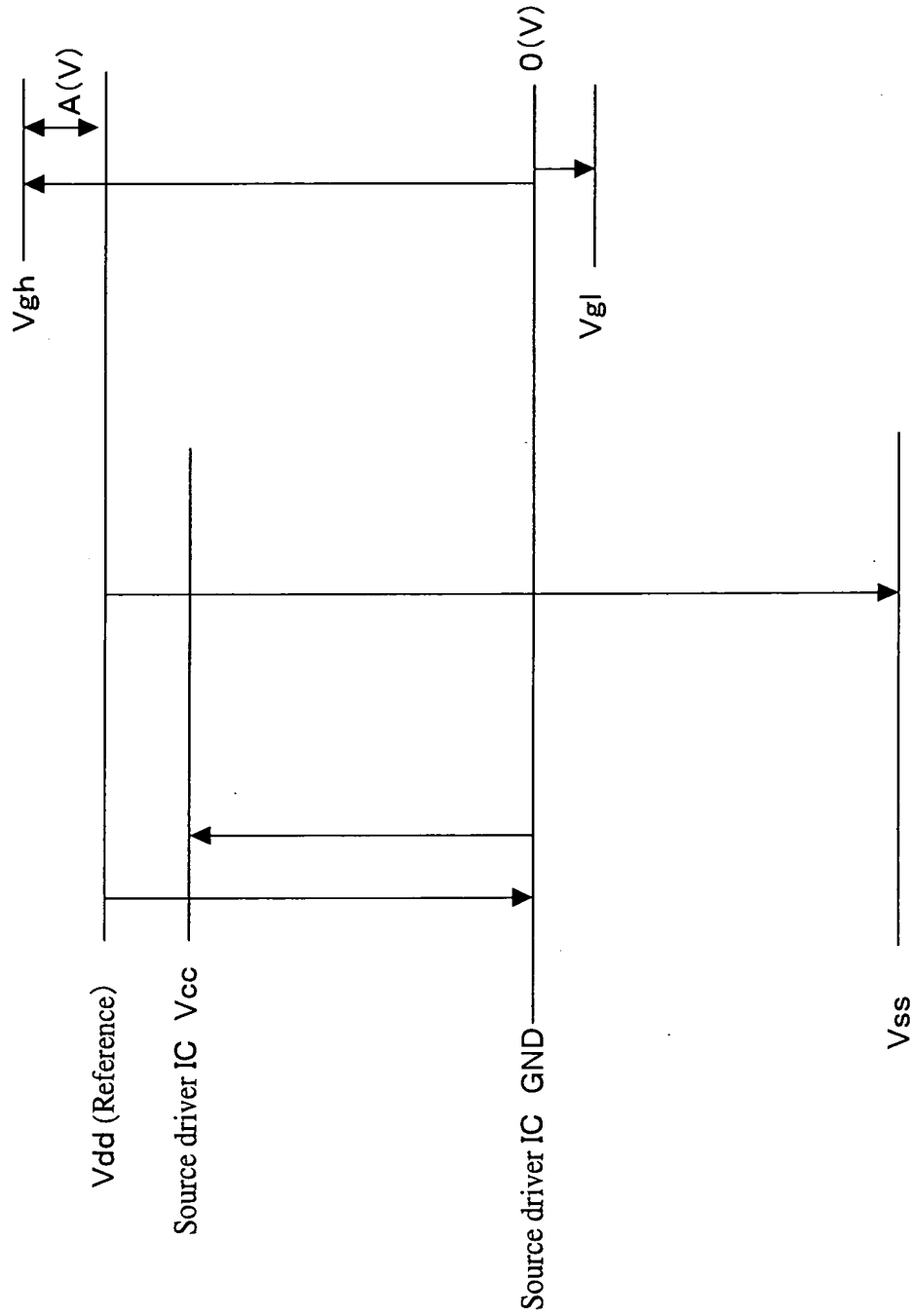


Fig. 98(a)

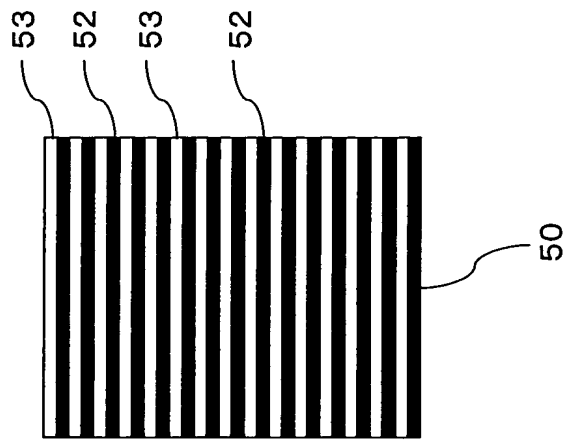


Fig. 98(b)

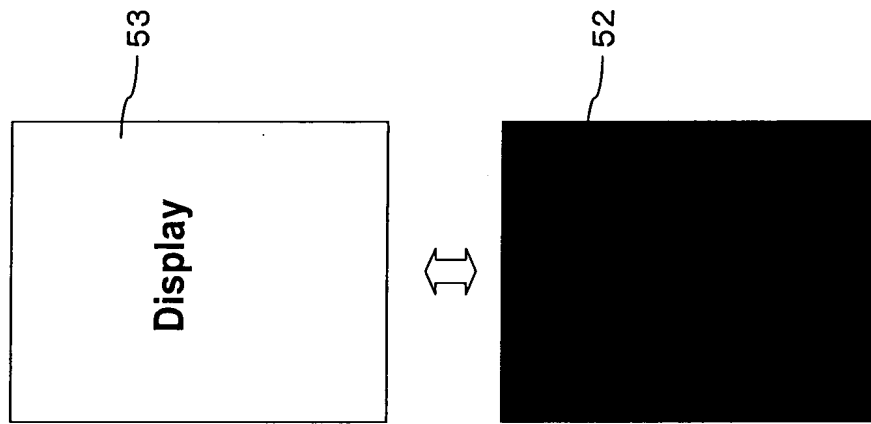
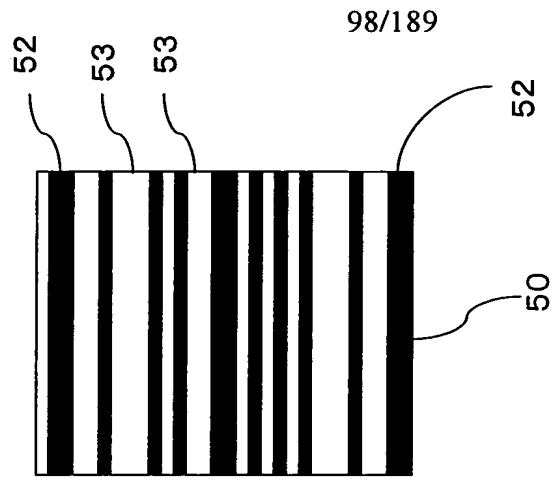


Fig. 98(c)



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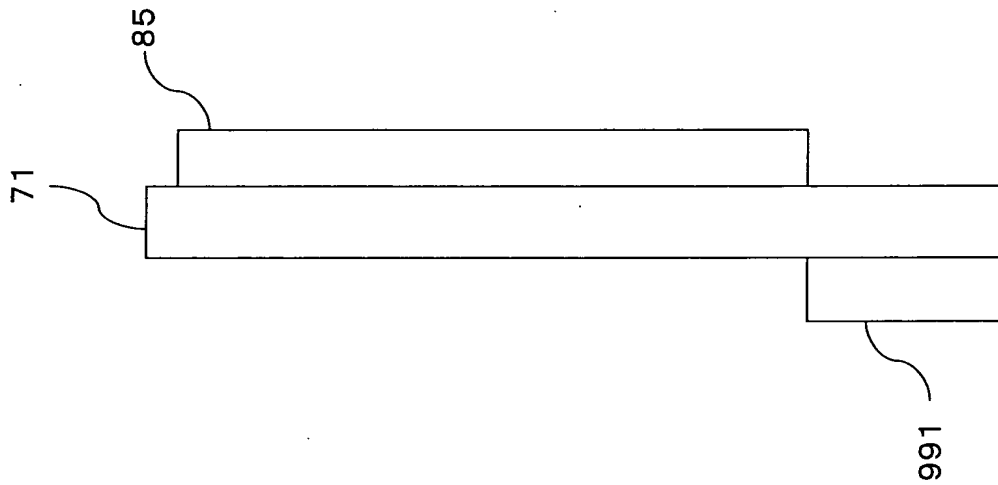


Fig. 99

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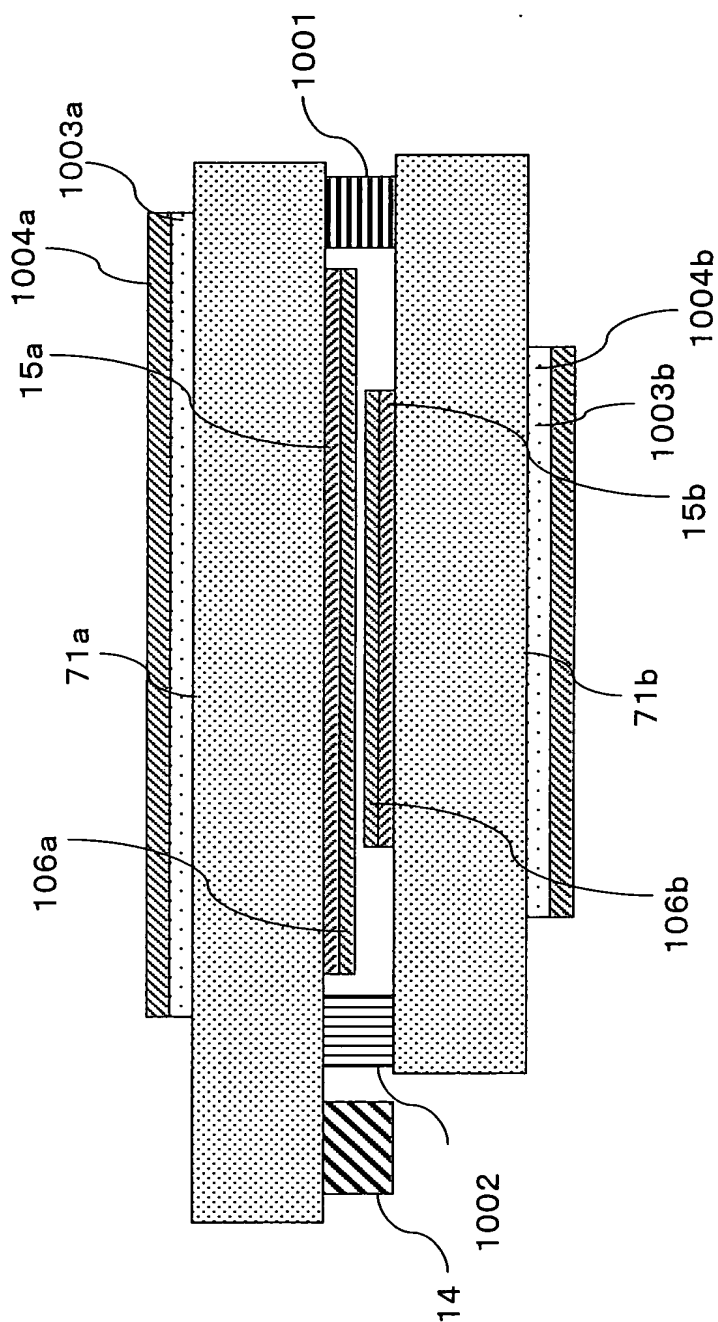


Fig. 100

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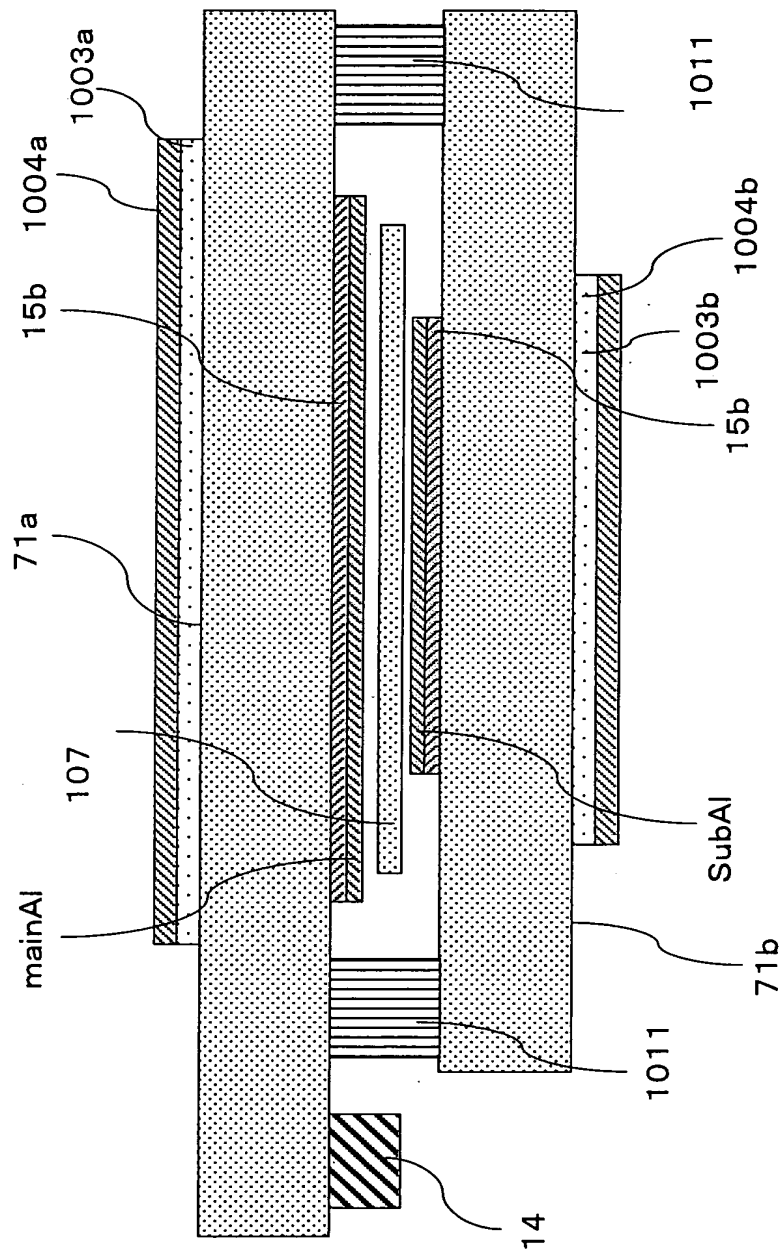


Fig. 101

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Fig. 102

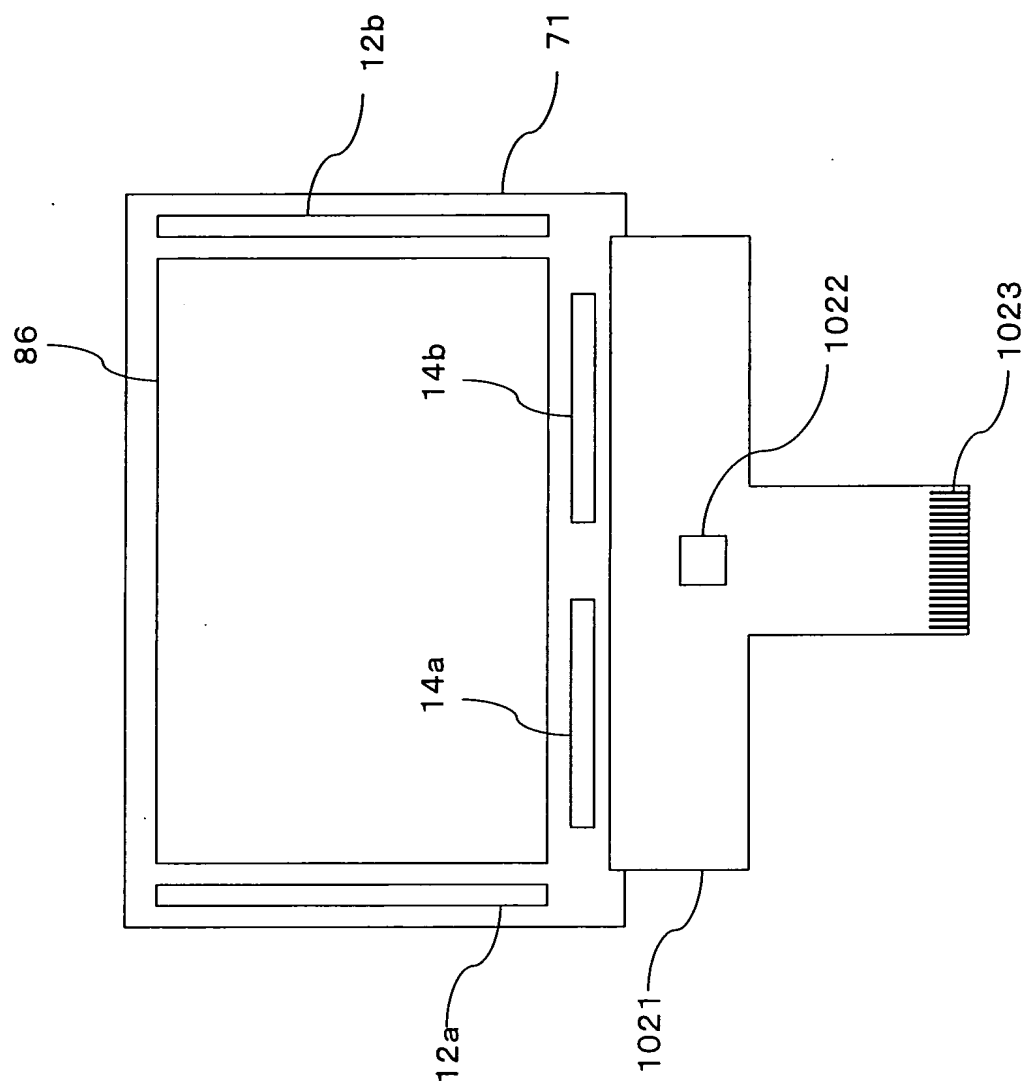
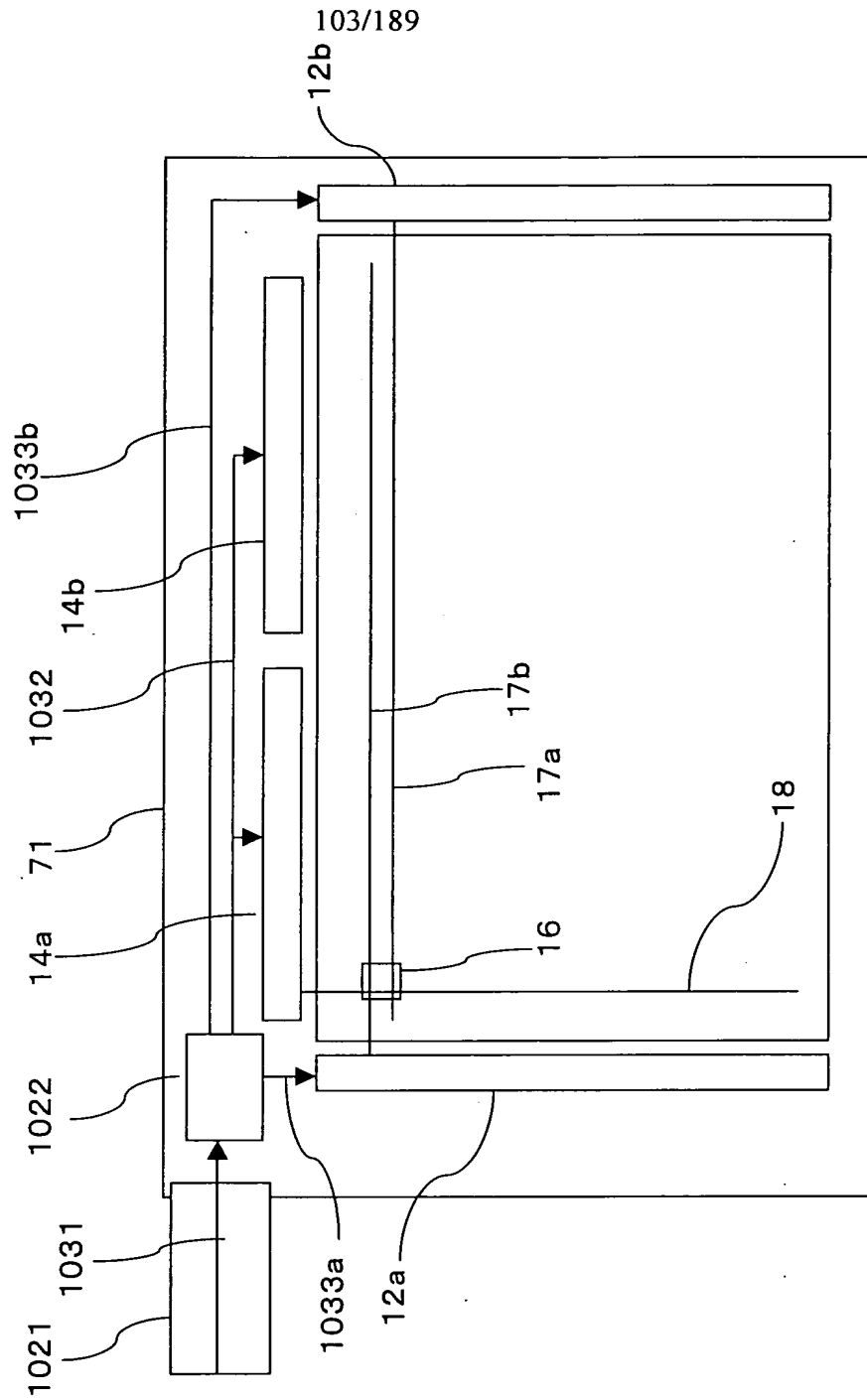


Fig. 103



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Fig. 104

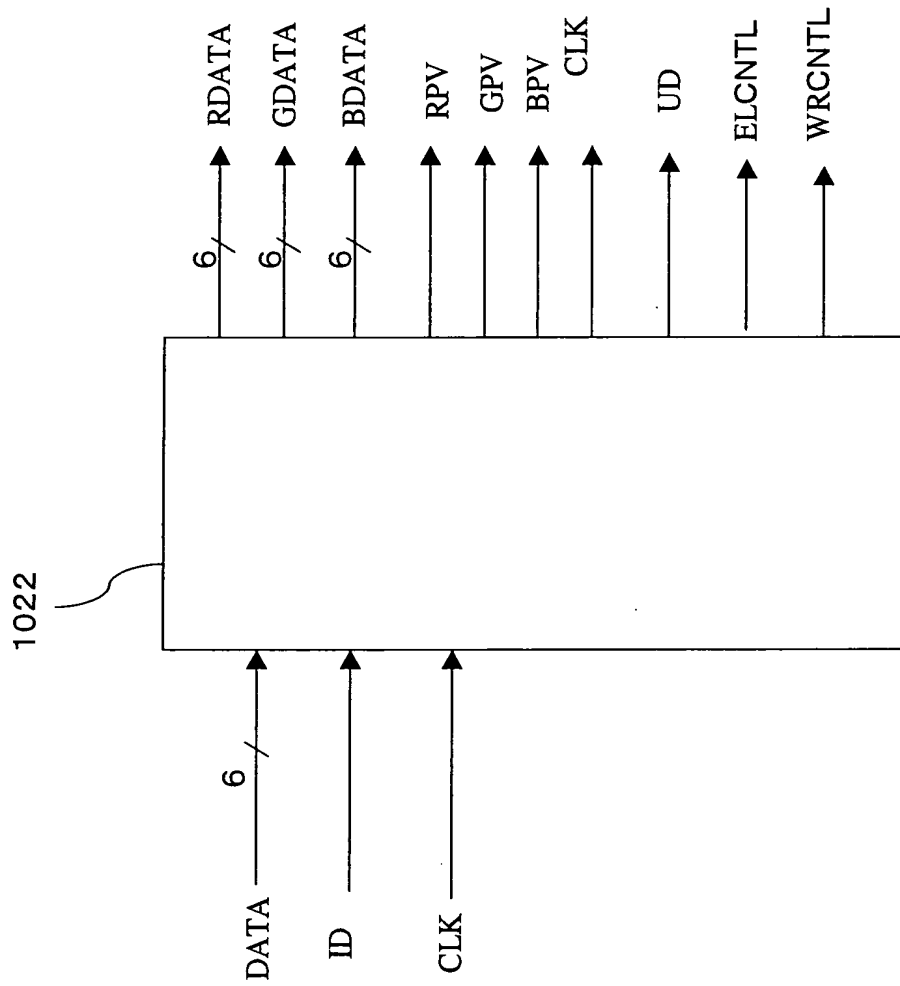




Fig. 105 (b)

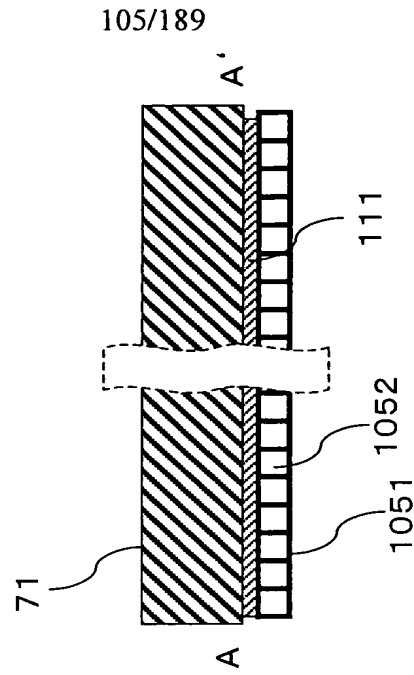
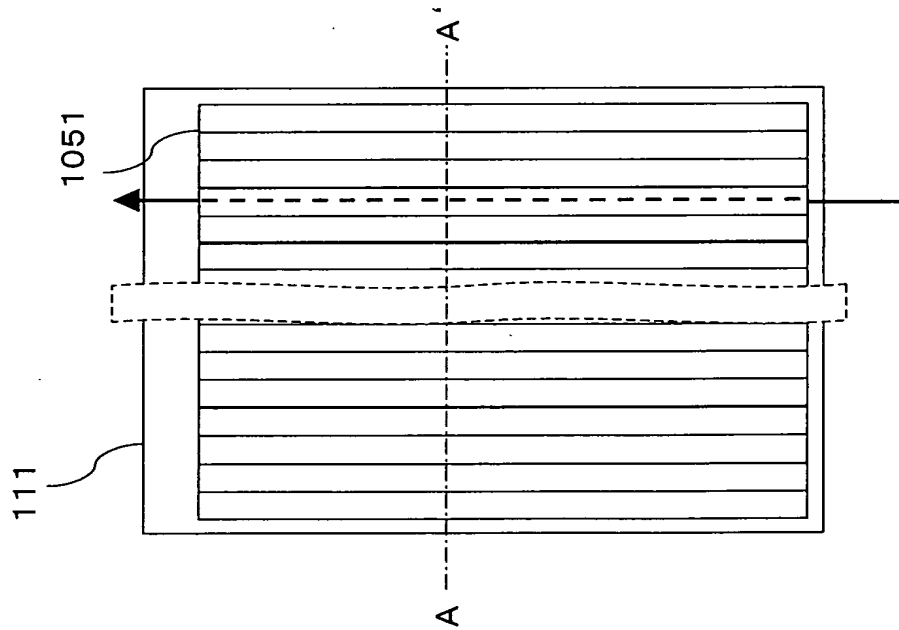


Fig. 105 (a)



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Fig. 106 (a)

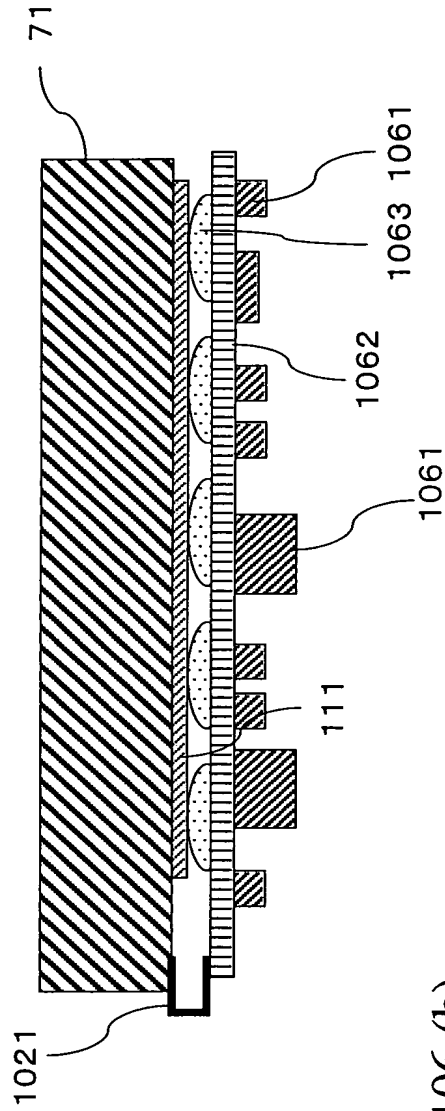
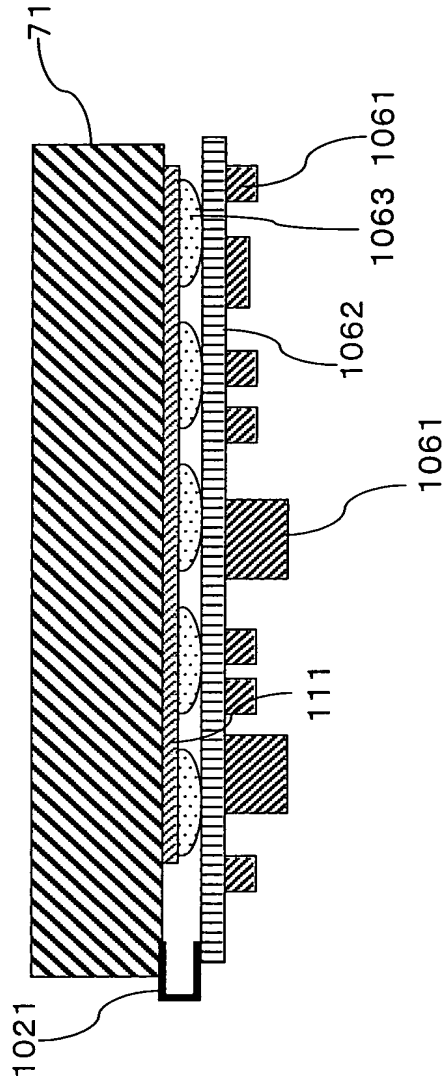


Fig. 106 (b)



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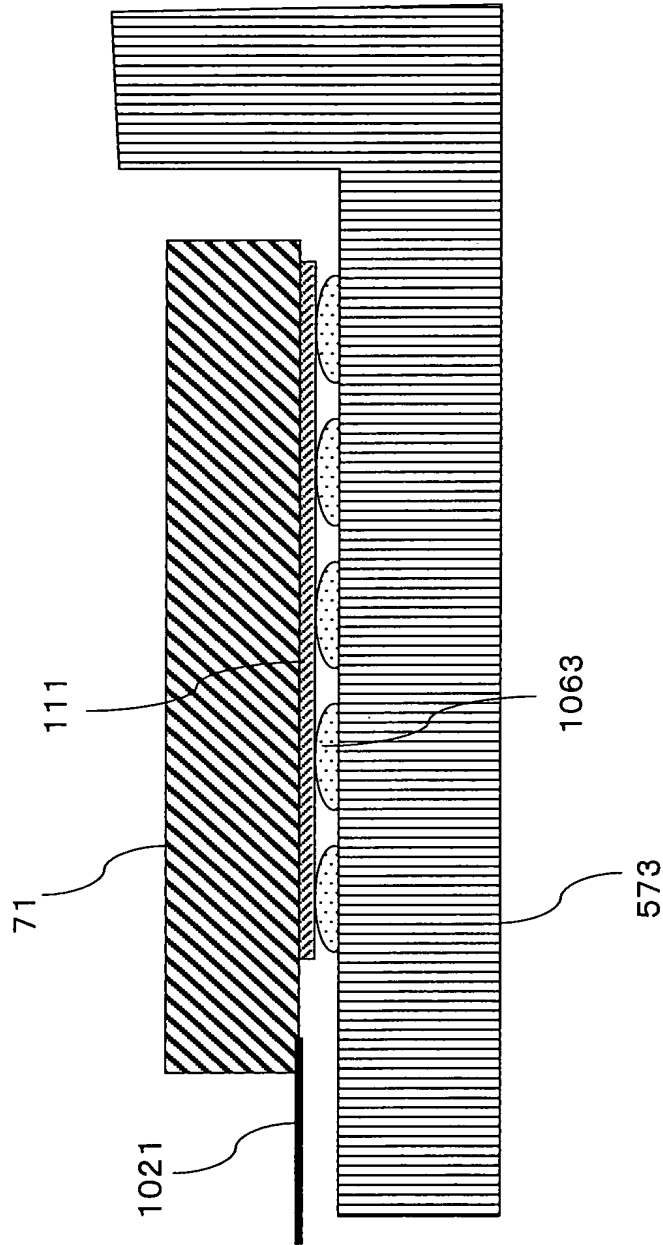


Fig. 107

Fig. 108

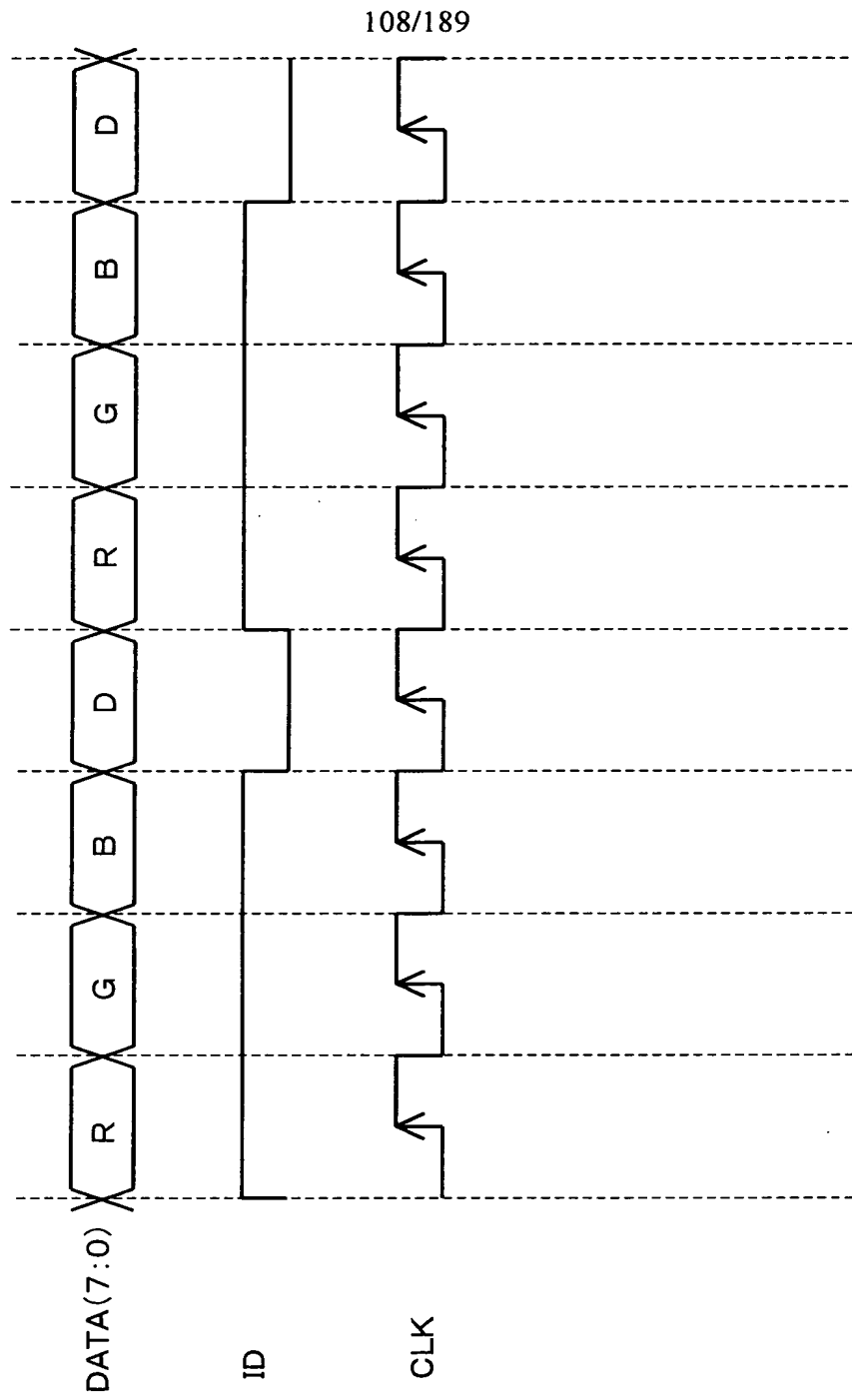
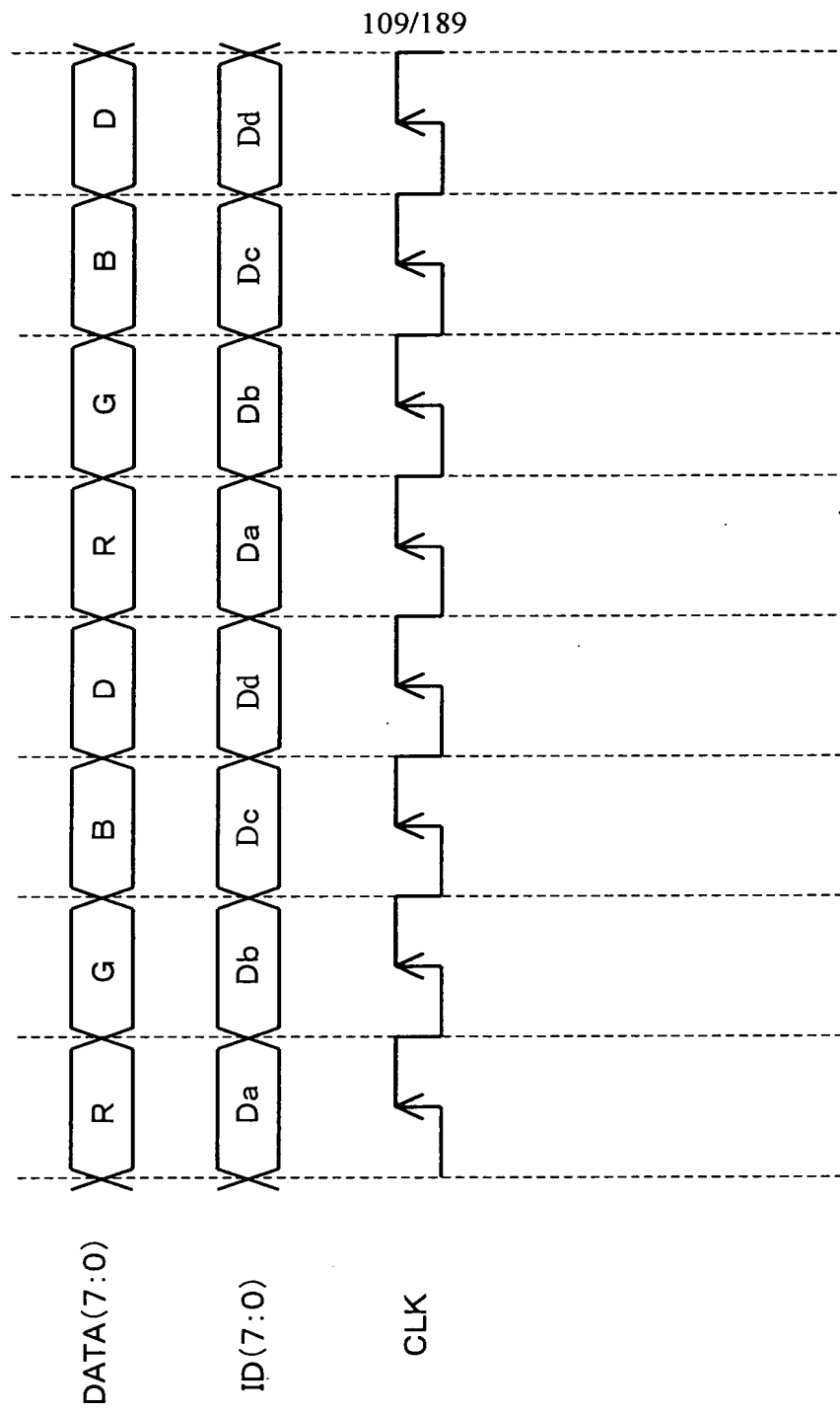


Fig. 109



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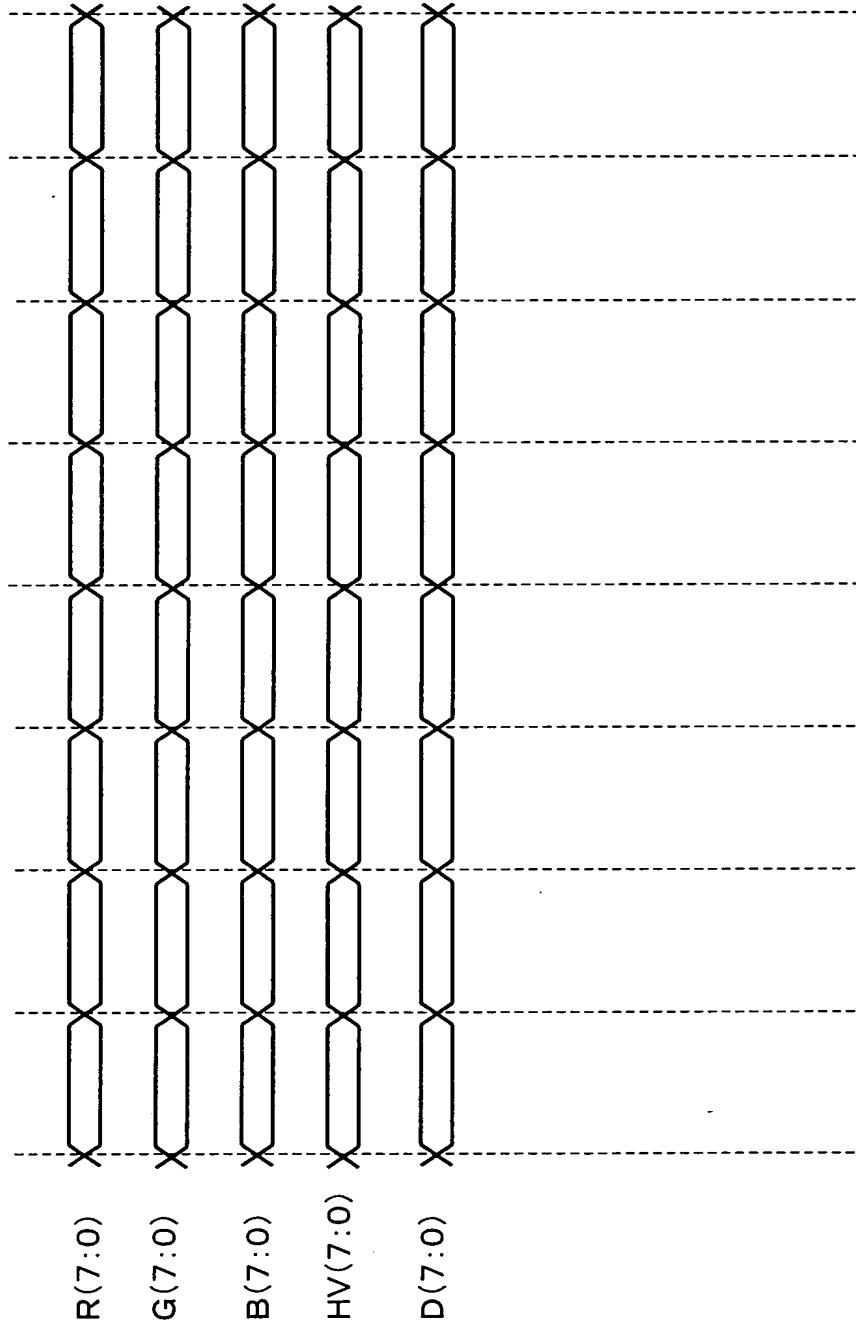


Fig. 110

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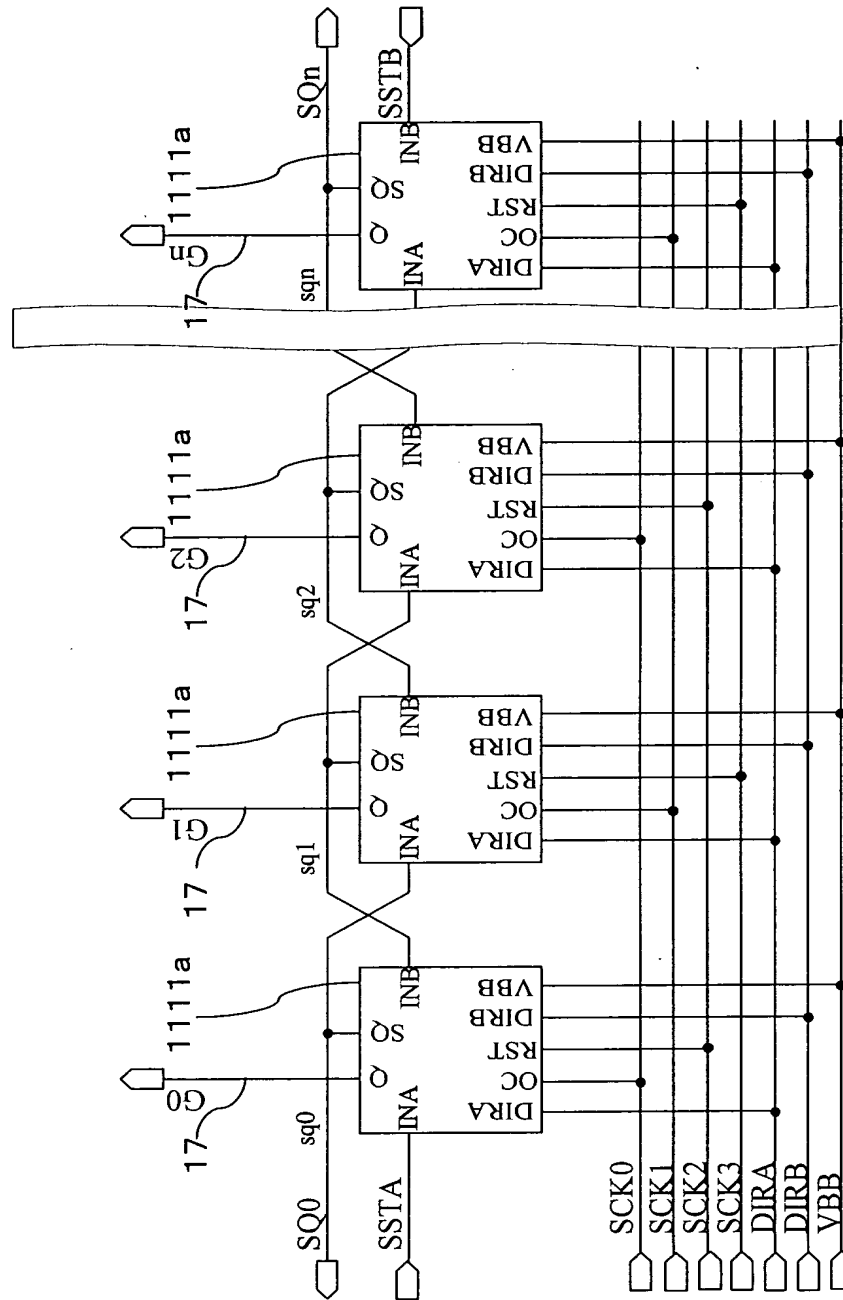
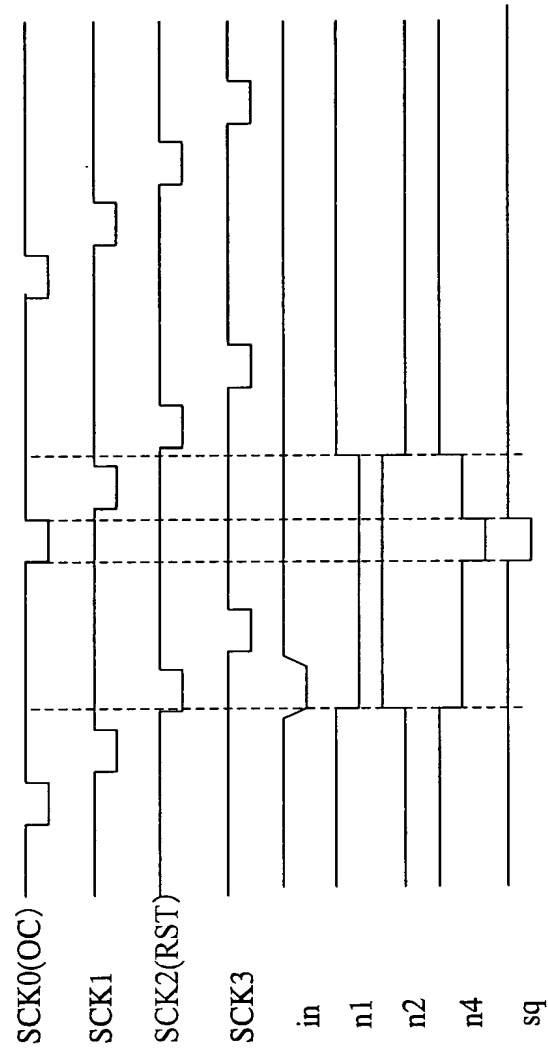


Fig. 111

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Fig. 112





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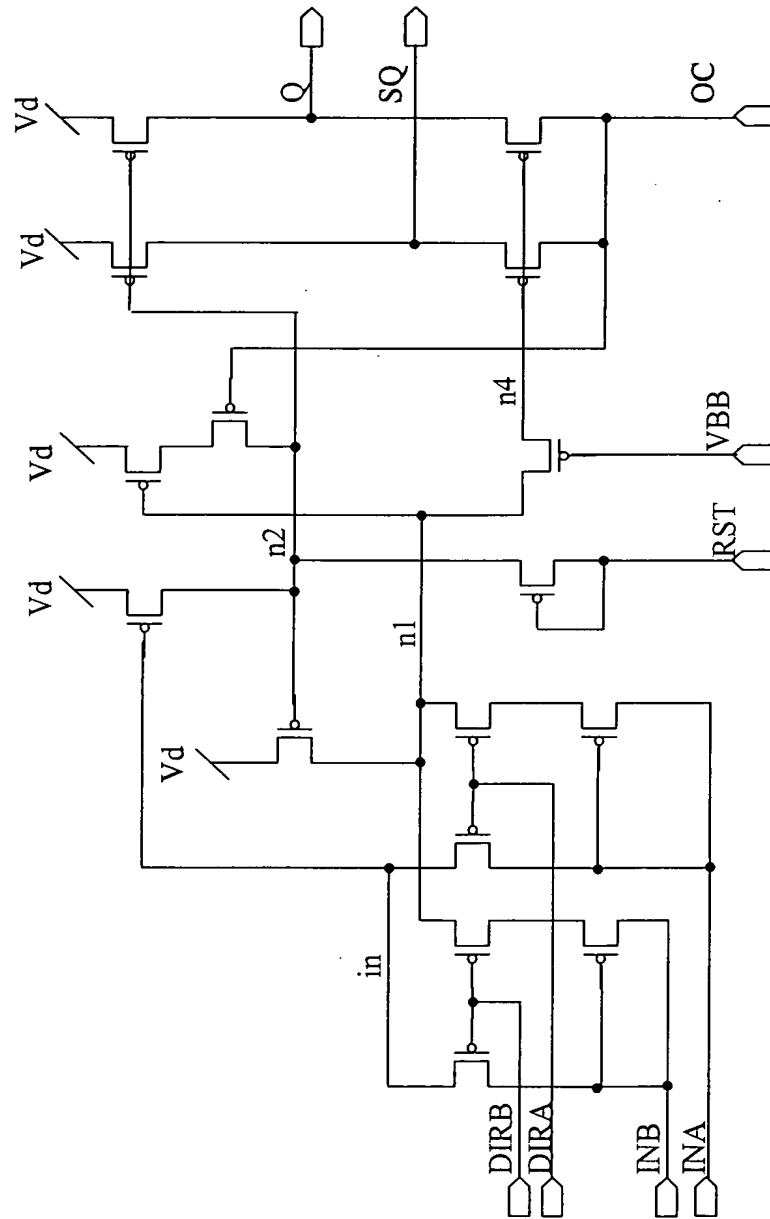


Fig. 113

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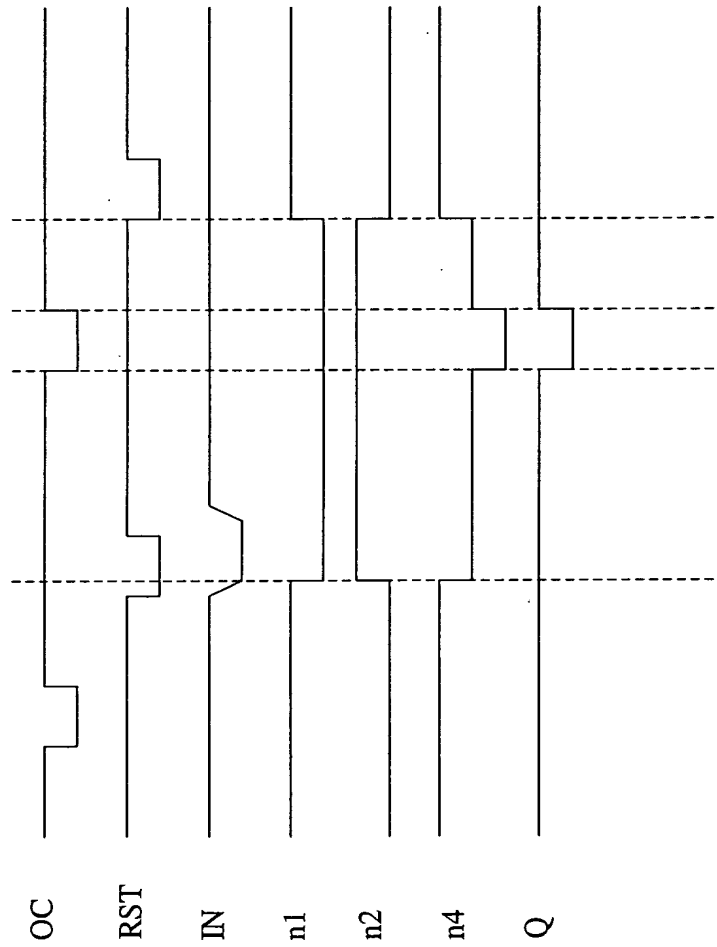


Fig. 114



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Fig. 116 (a)

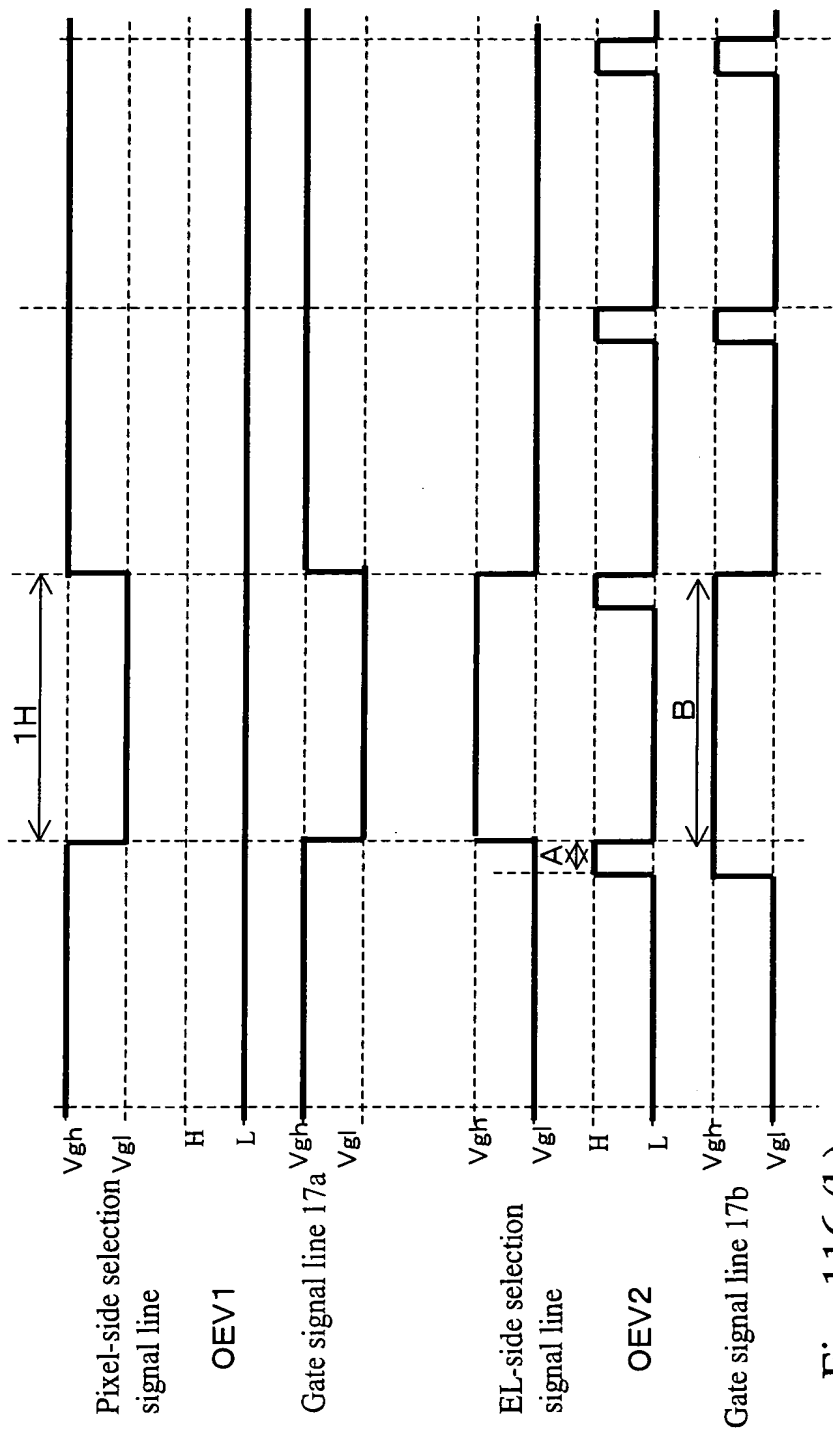


Fig. 116 (b)

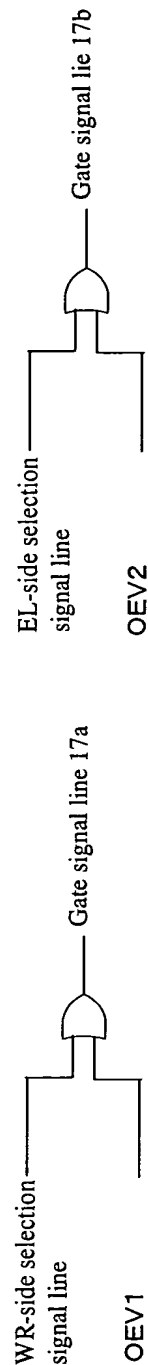


Fig. 117

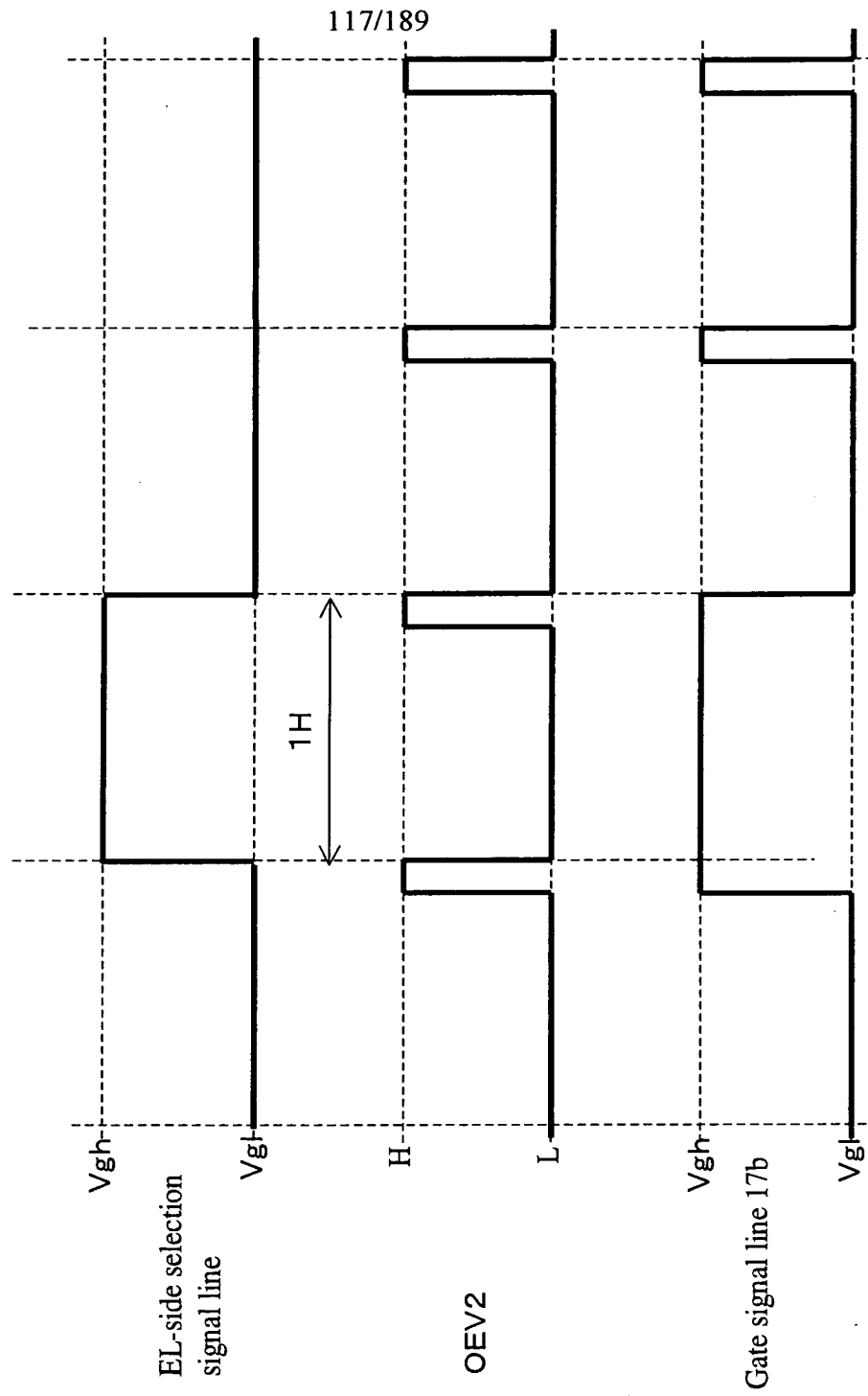


Fig. 118

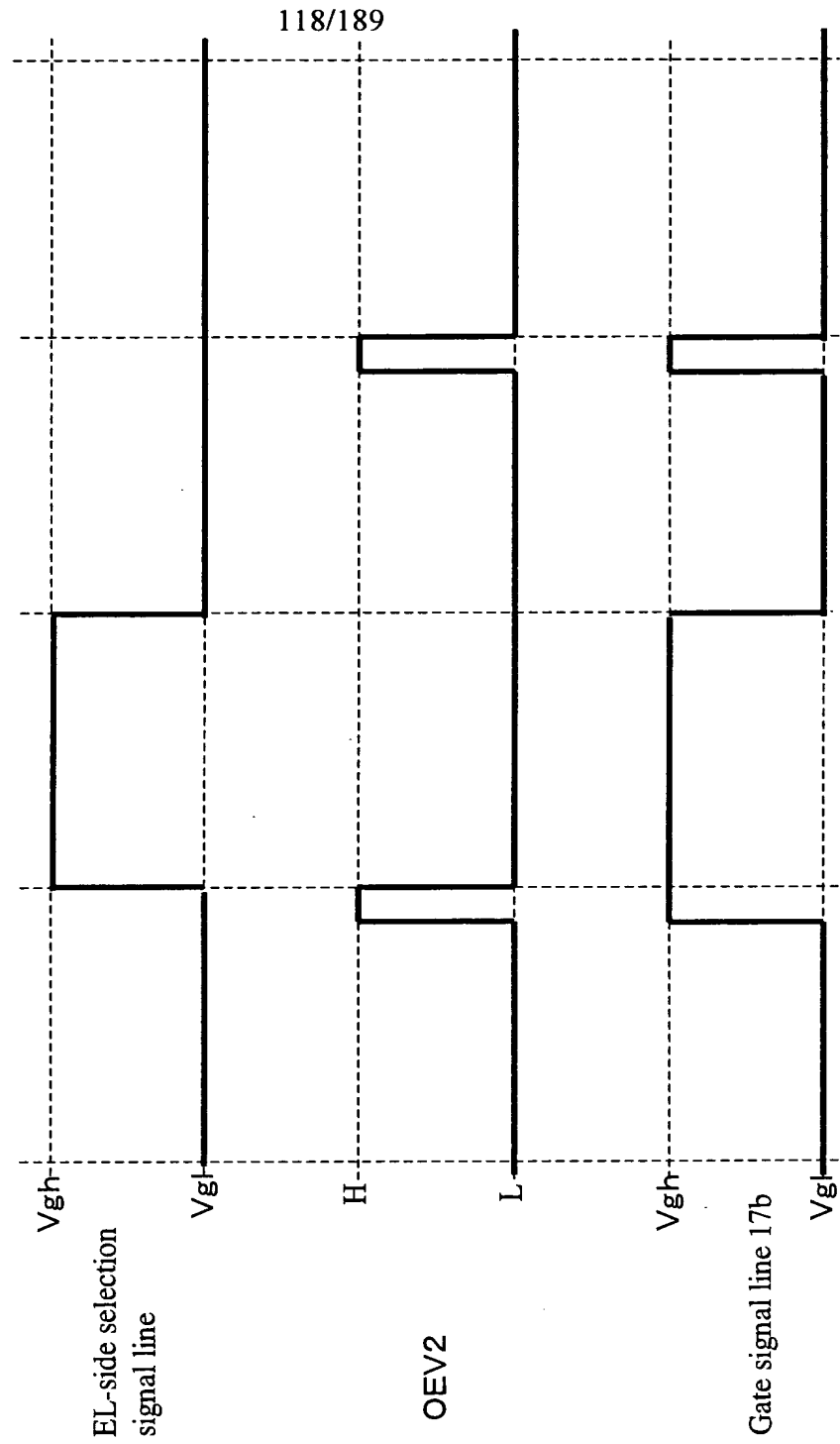


Fig. 119

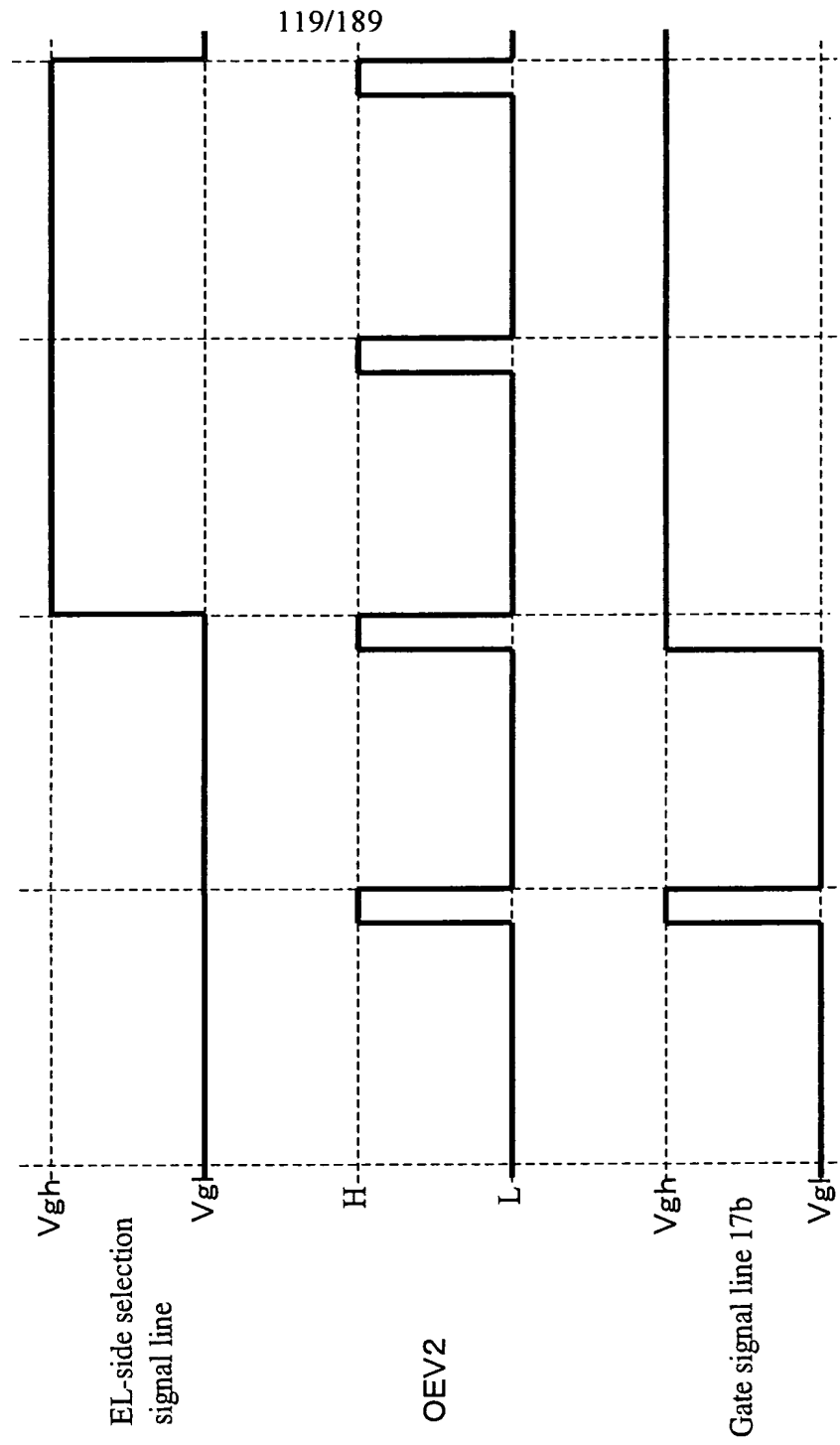


Fig. 120

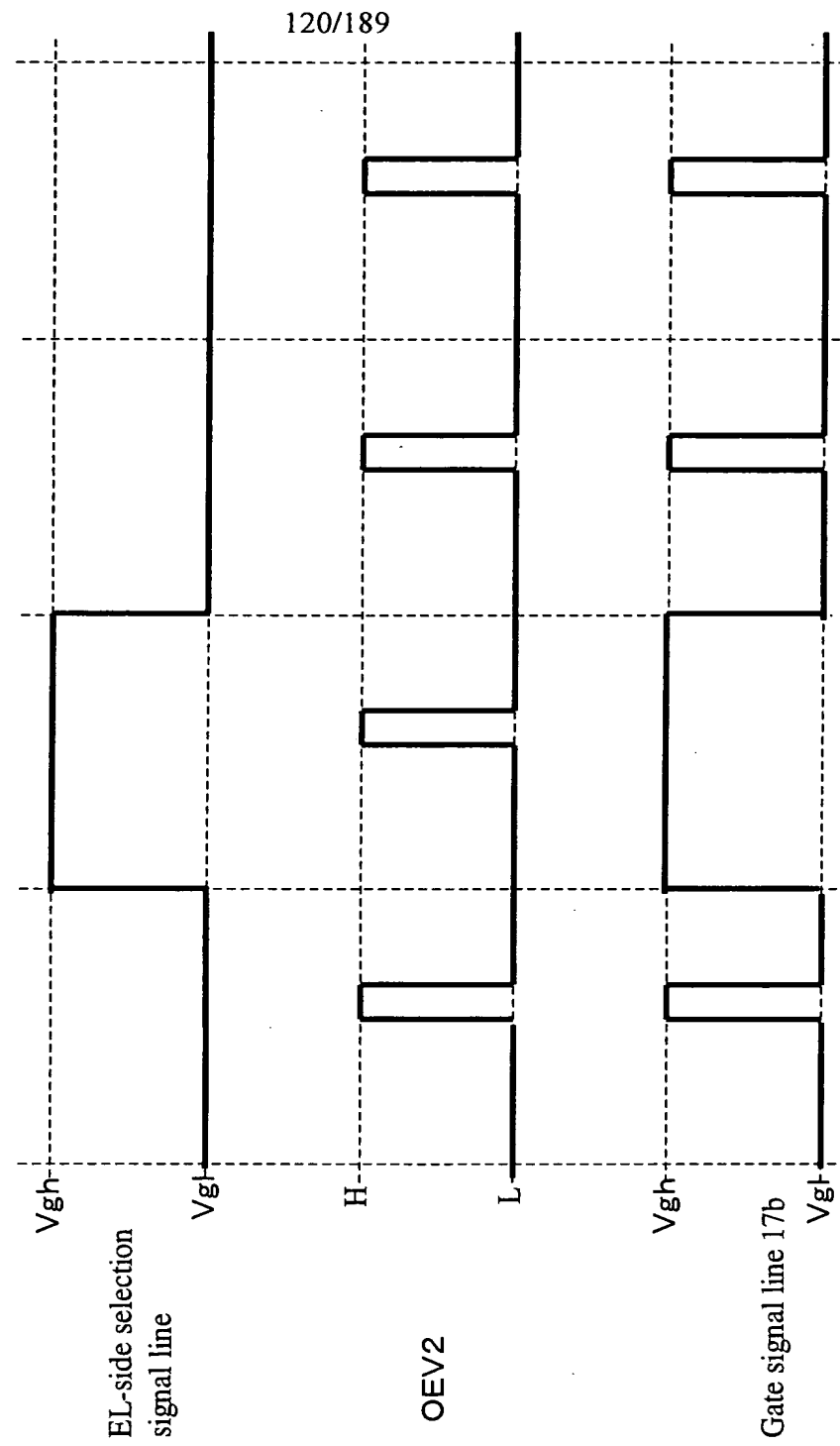




Fig. 121 (a)

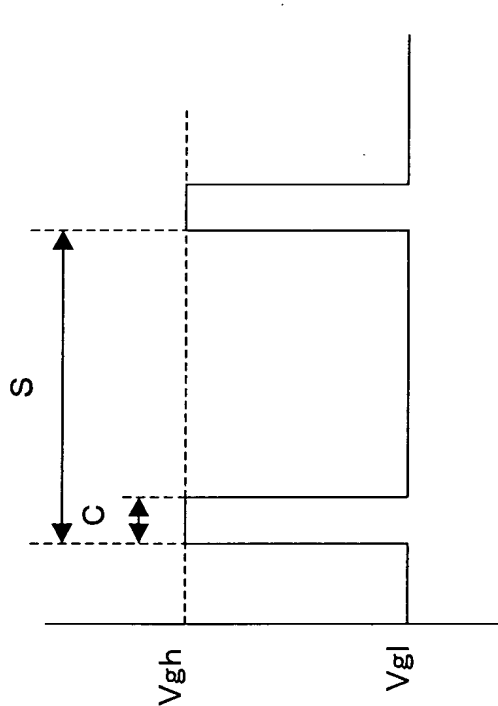
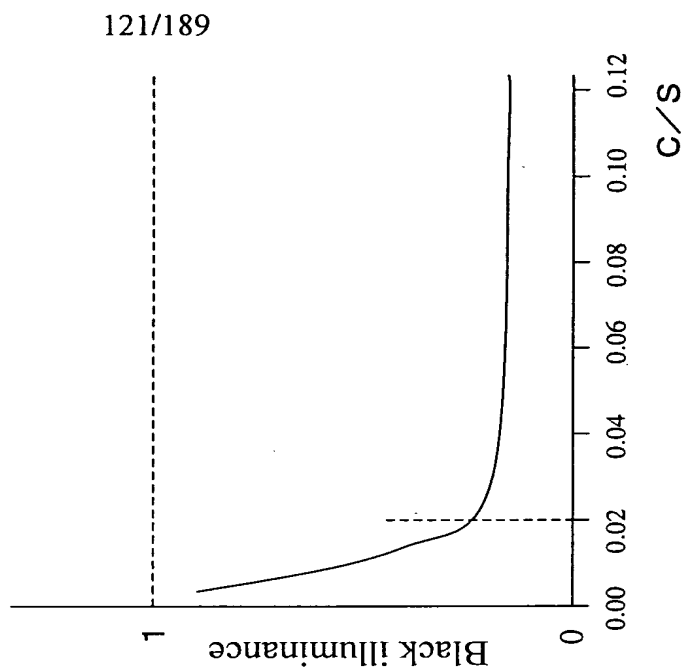


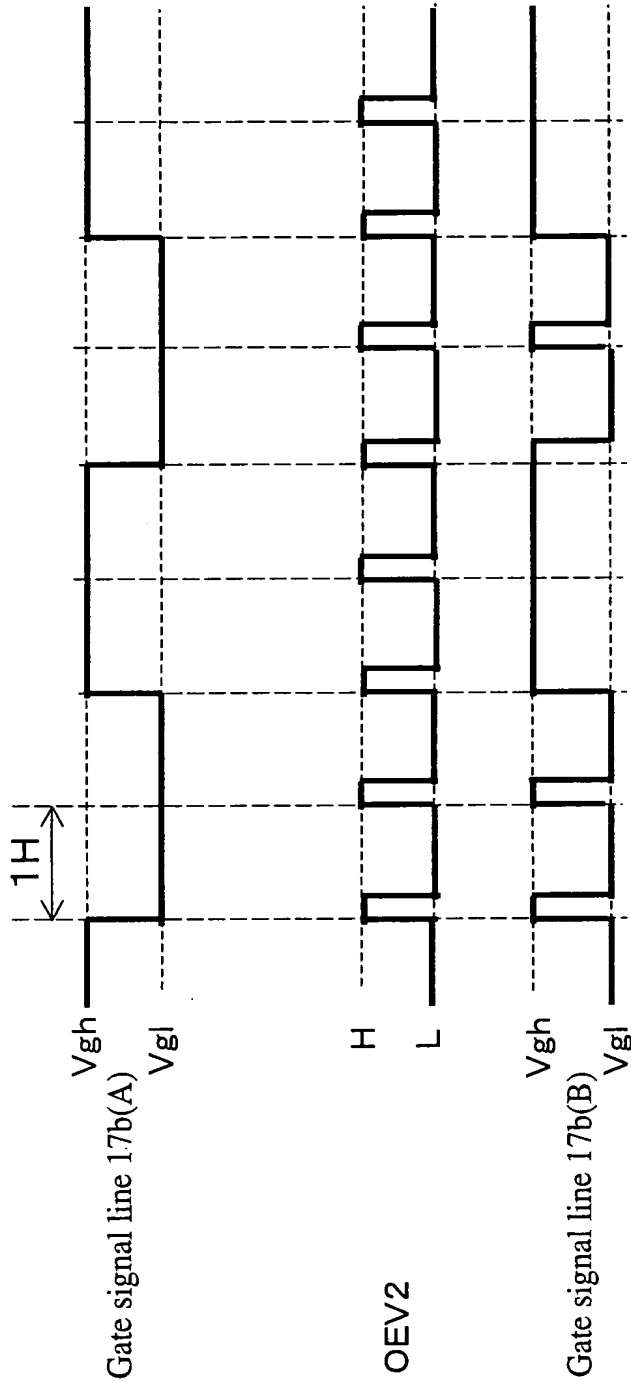
Fig. 121 (b)



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Fig. 122



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Fig. 123 (c)

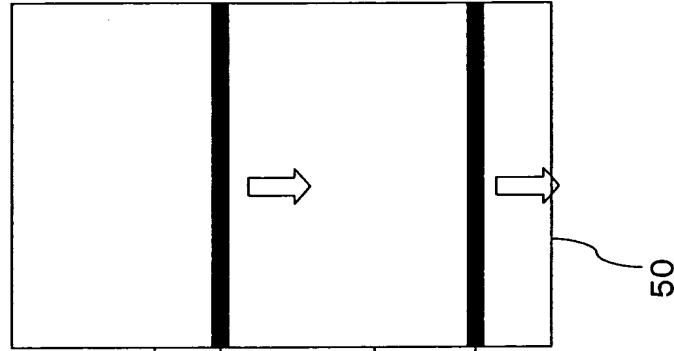


Fig. 123 (b)

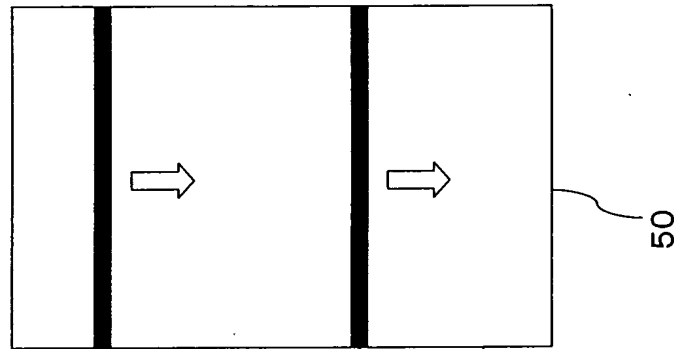
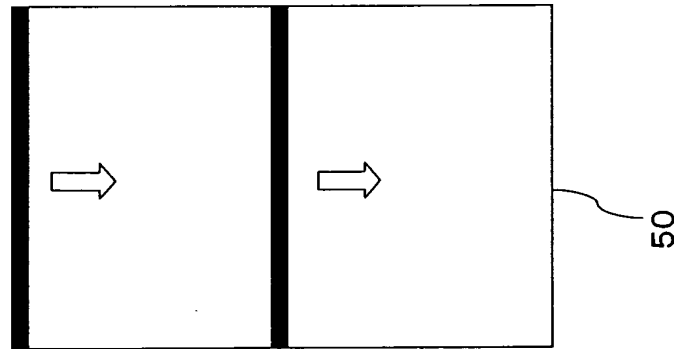


Fig. 123 (a)



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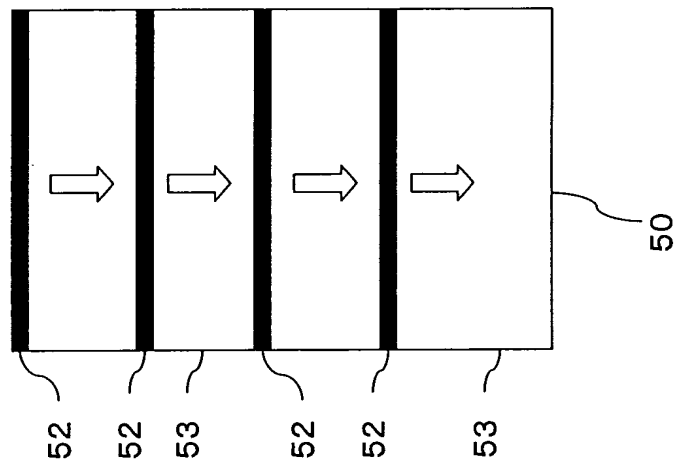
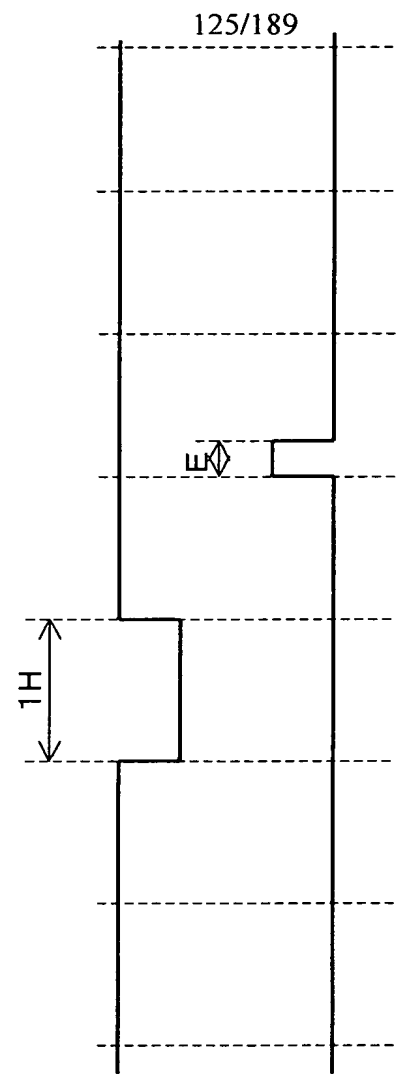


Fig. 124

Fig. 125



Gate signal line 17a

Gate signal line 17b

Fig. 126 (a1)

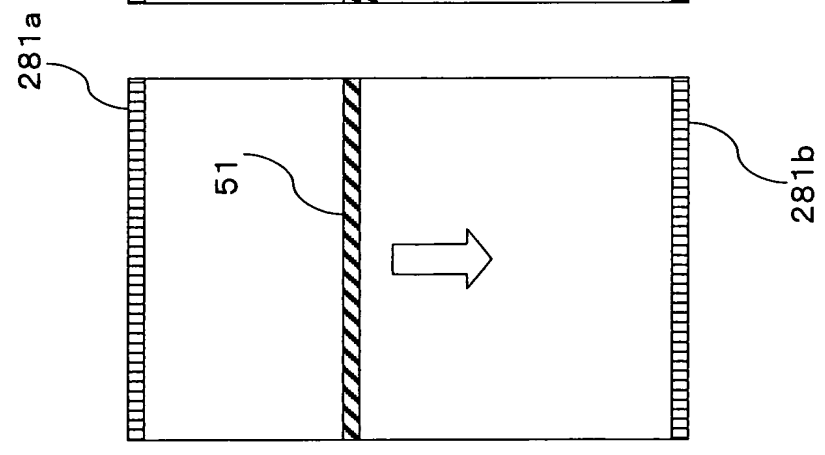


Fig. 126 (a2)

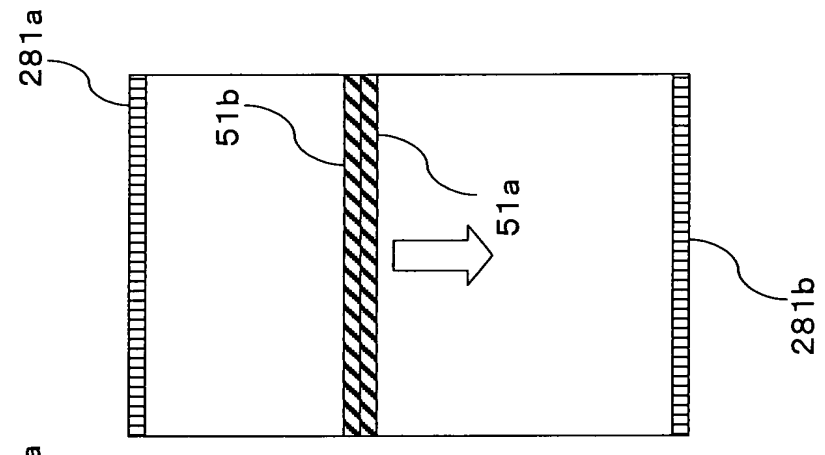
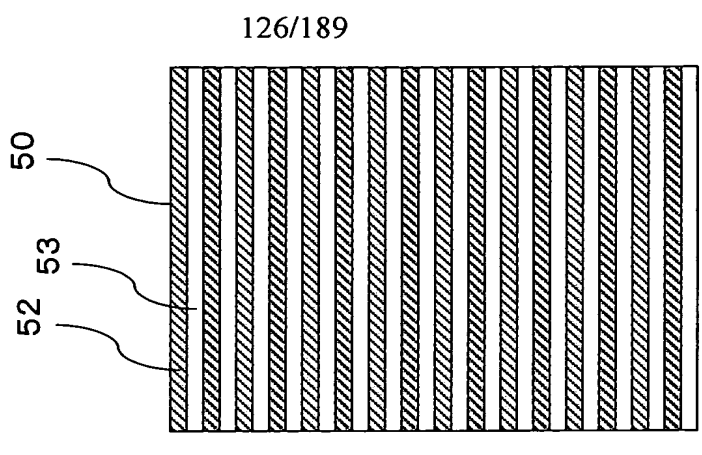
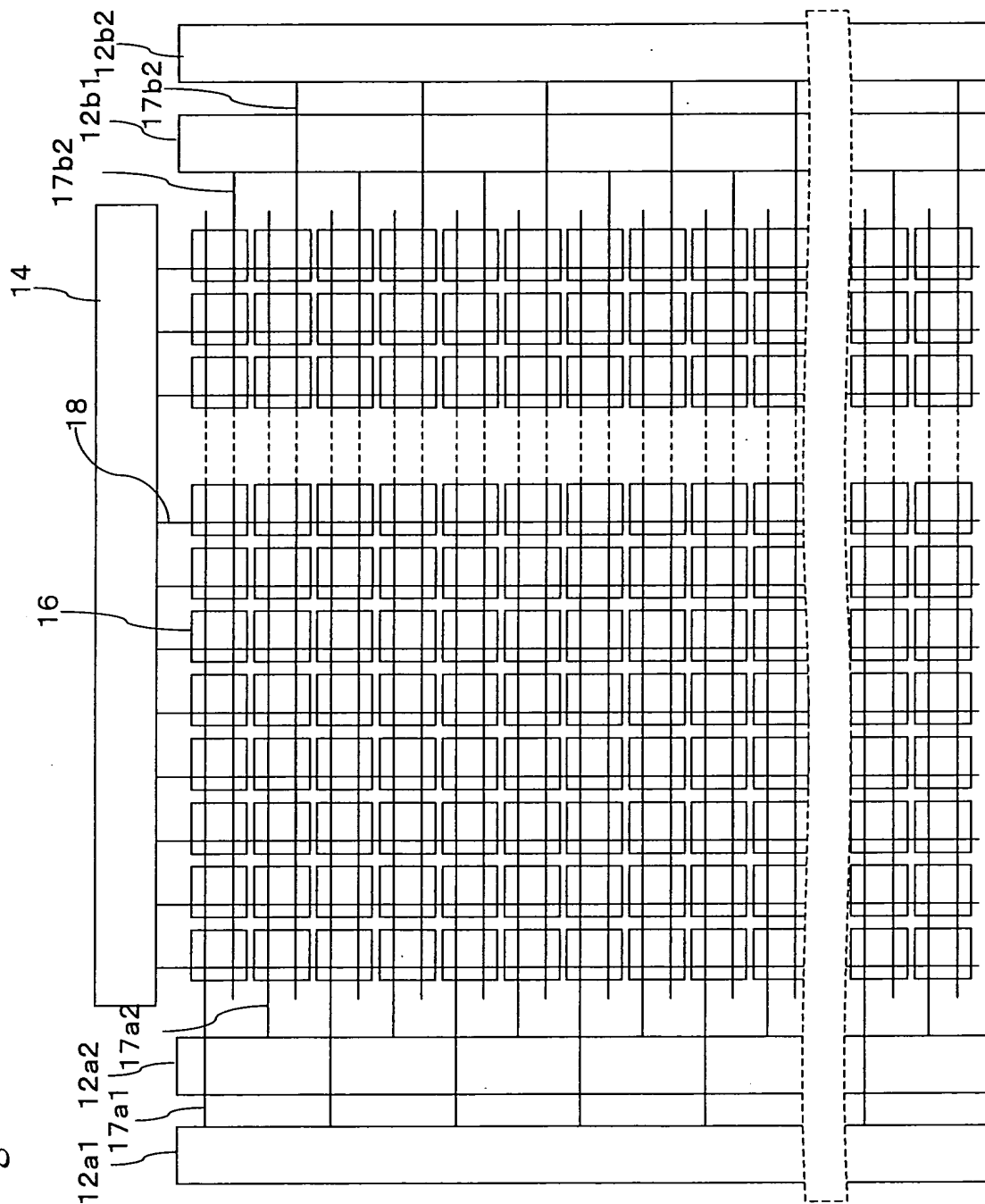


Fig. 126 (b)



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Fig. 127



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Fig. 128 (a)

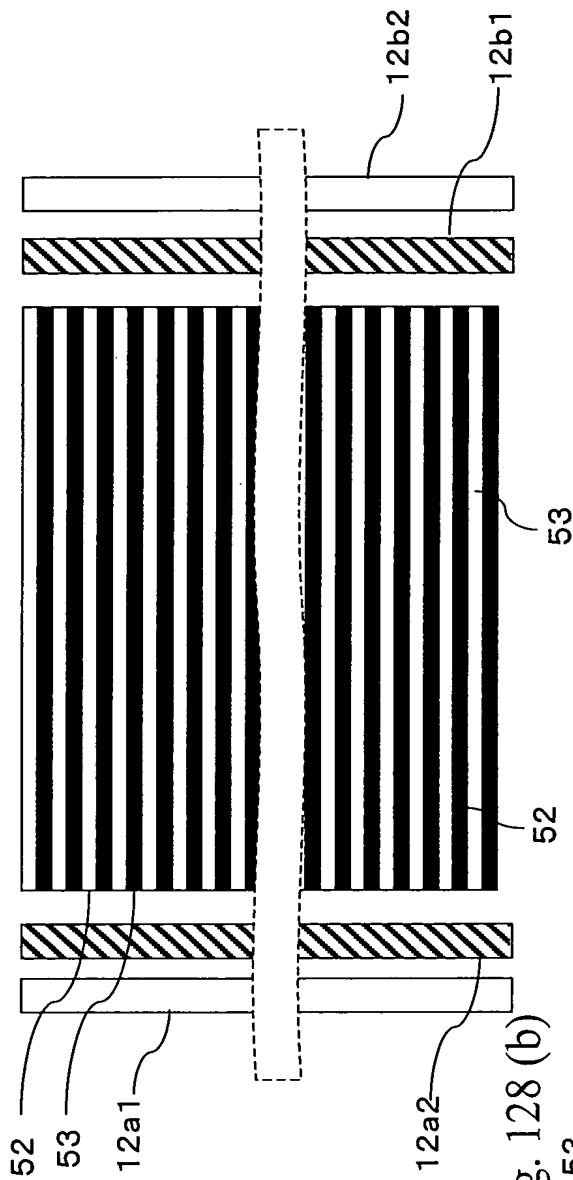
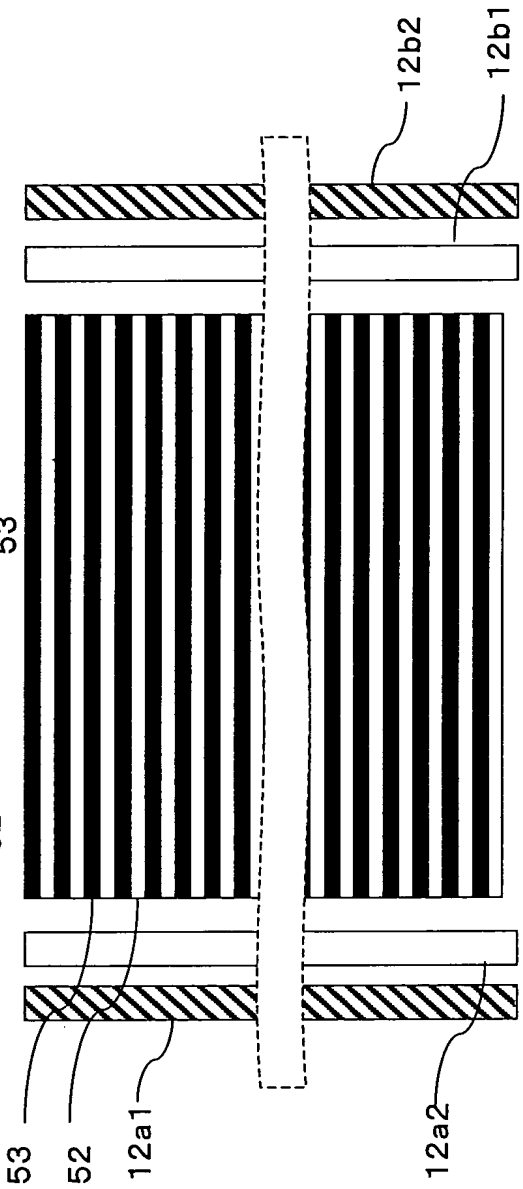
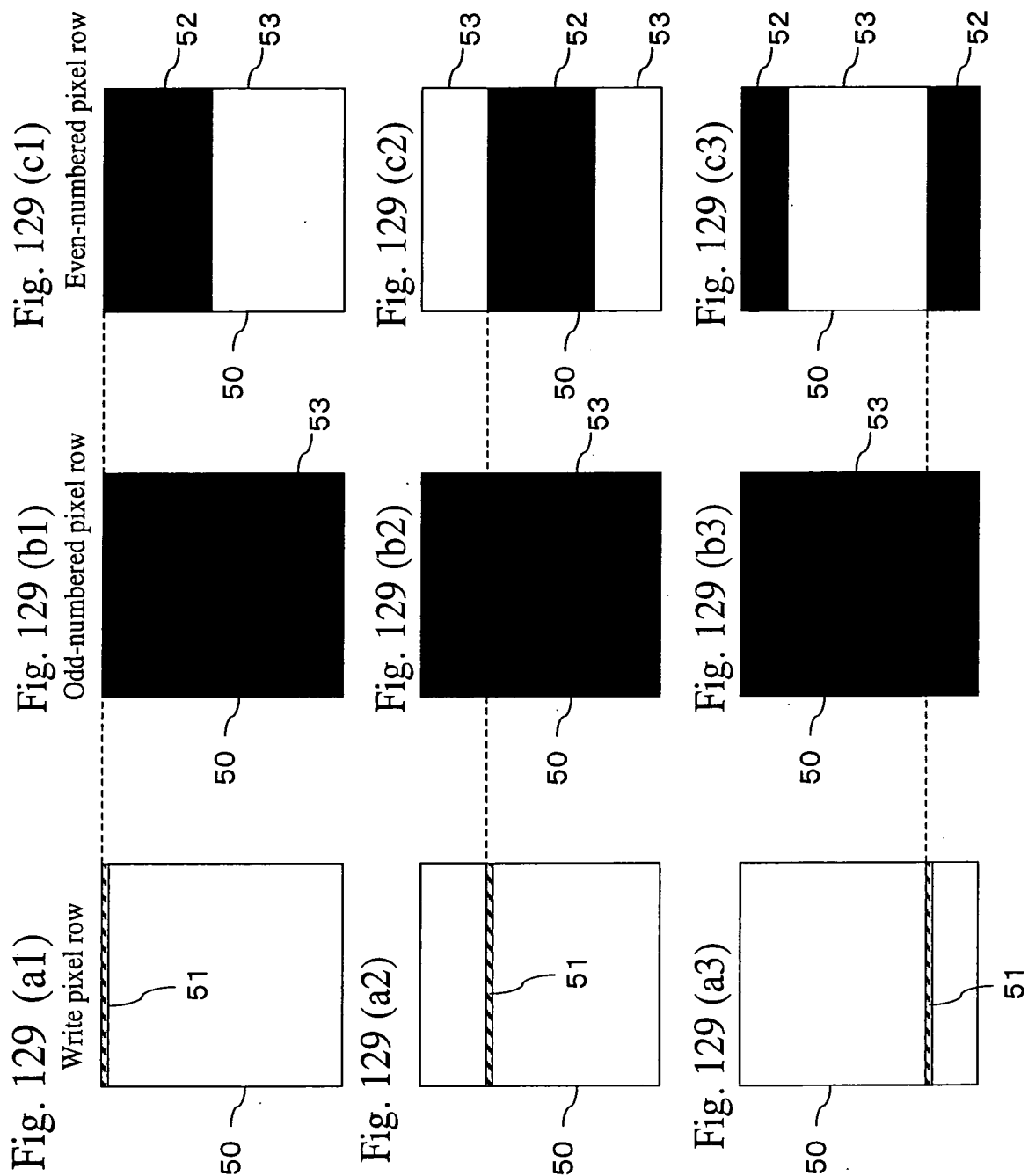


Fig. 128 (b)





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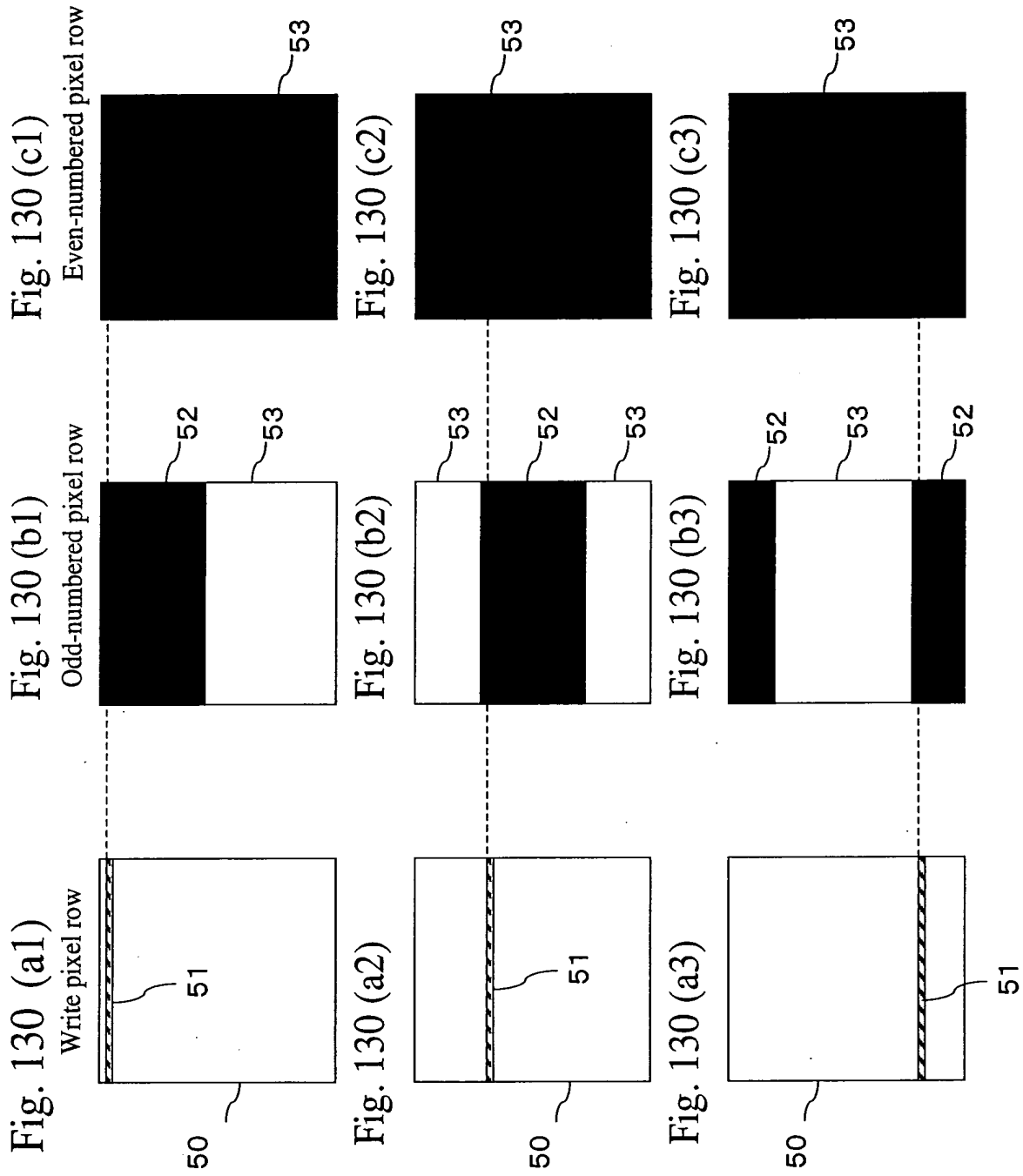


Fig. 131 (b1)

Odd-numbered pixel row

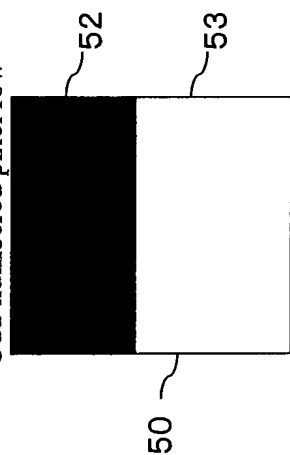


Fig. 131 (b2)

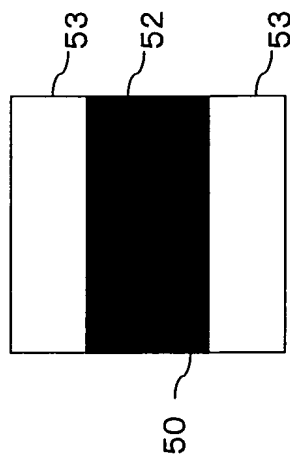


Fig. 131 (b3)

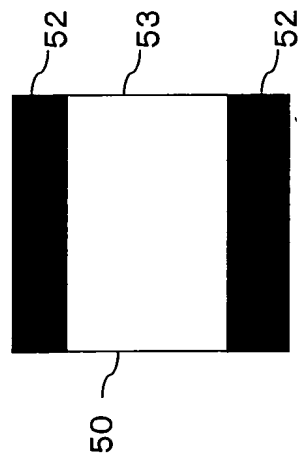


Fig. 131 (c1)

Even-numbered pixel row

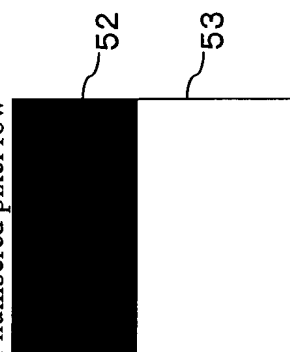


Fig. 131 (c2)

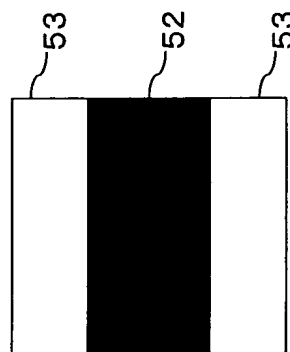
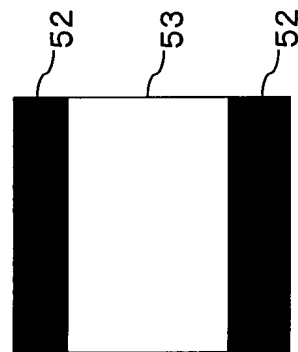


Fig. 131 (c3)



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Fig. 132 (b1)



Fig. 132 (c1)

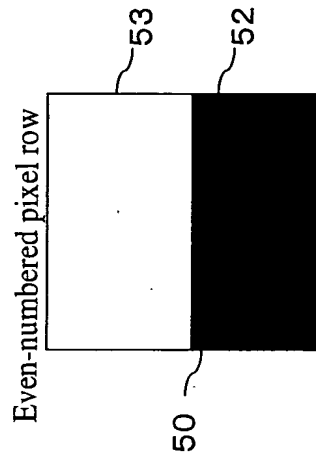


Fig. 132 (b2)

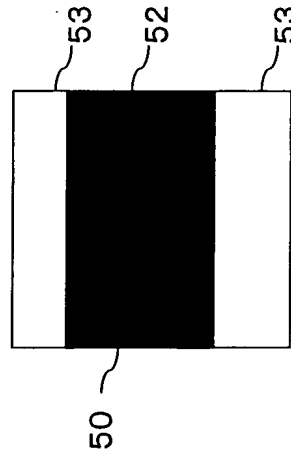


Fig. 132 (c2)

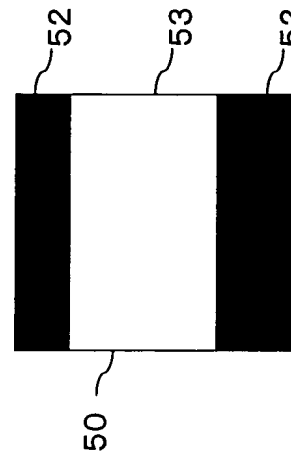


Fig. 132 (b3)

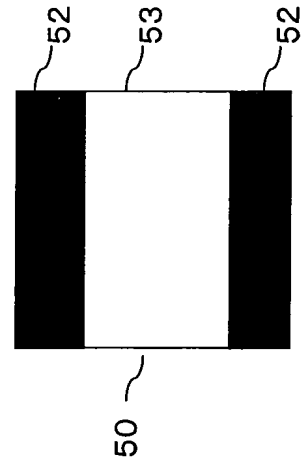
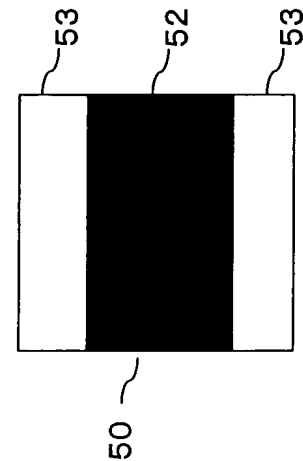
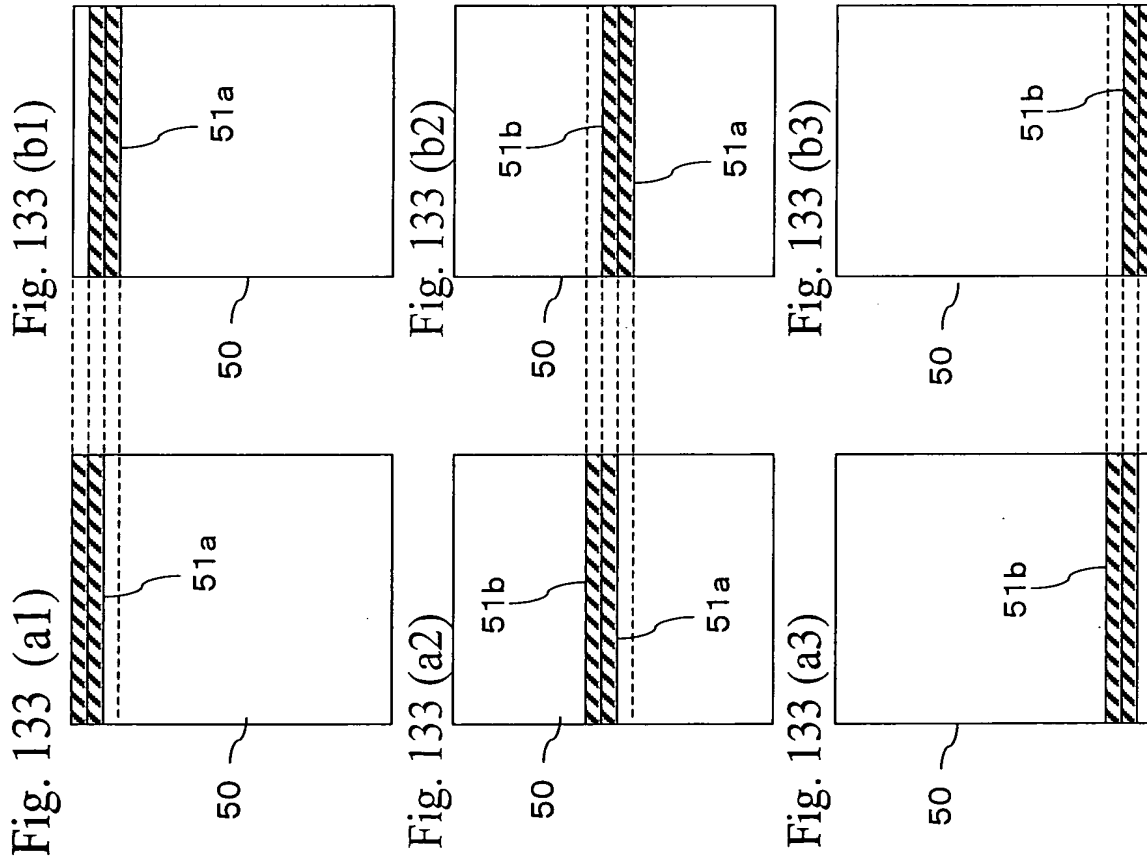


Fig. 132 (c3)



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Fig. 134

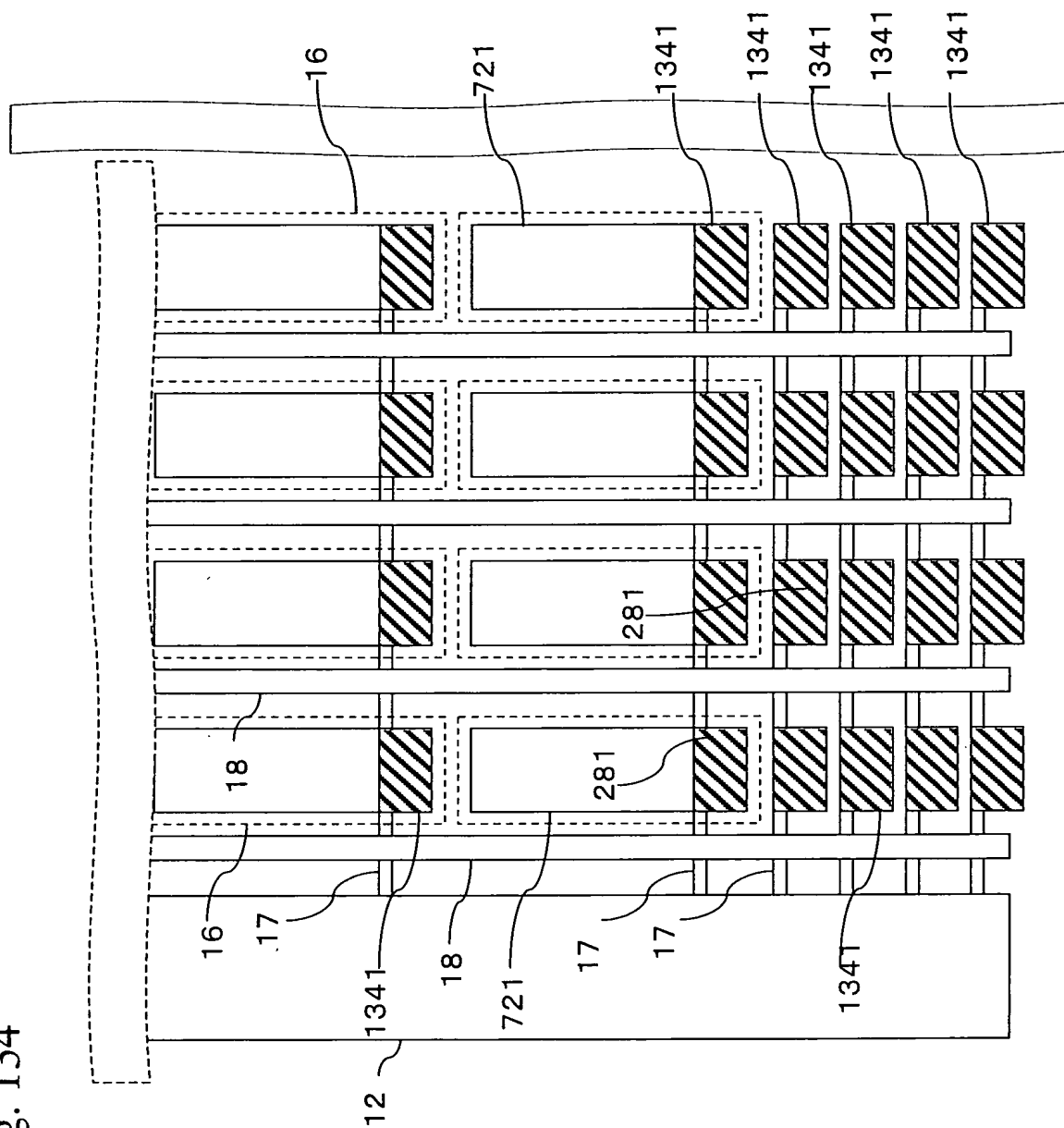


Fig. 135 (d)

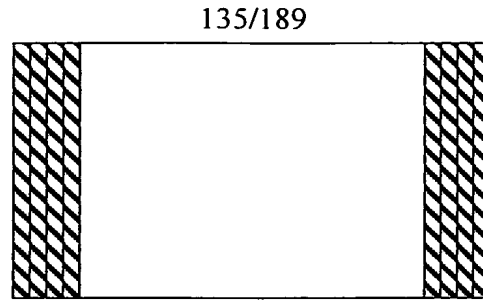


Fig. 135 (c)

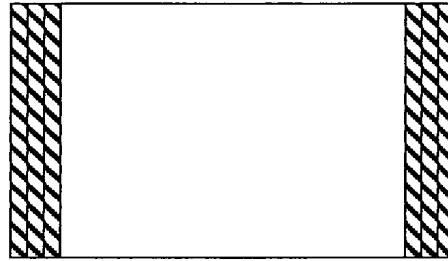


Fig. 135 (b)

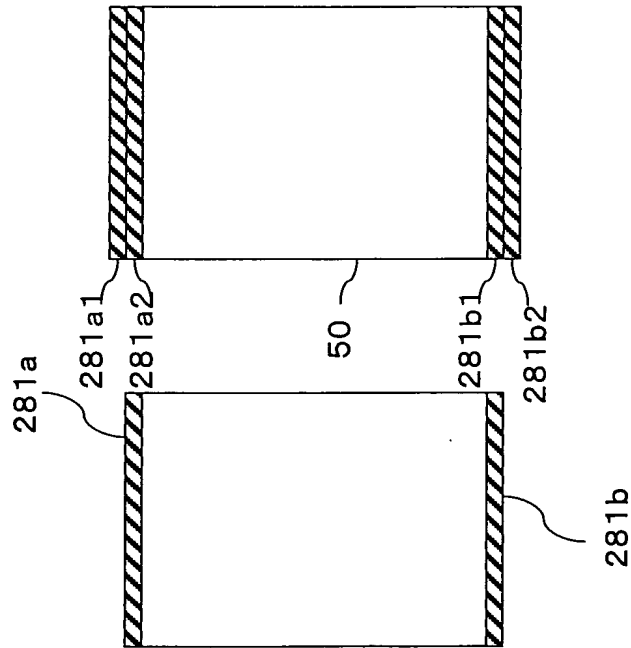


Fig. 135 (a)

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Fig. 136 (c)

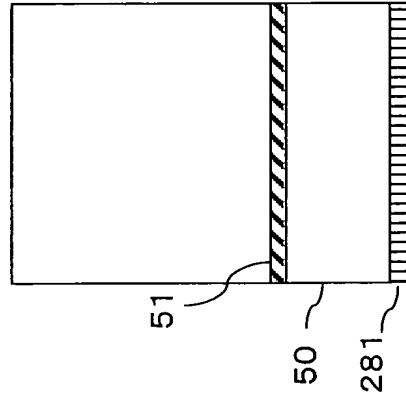


Fig. 136 (b)

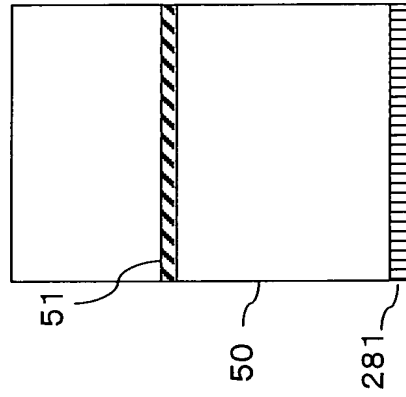
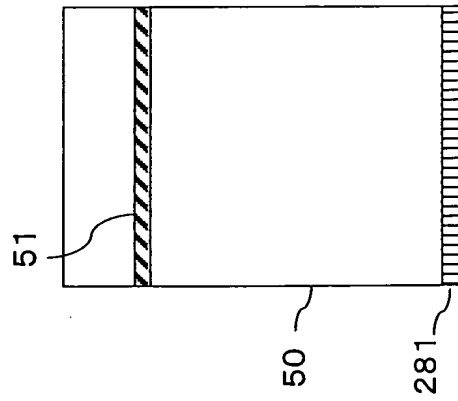


Fig. 136 (a)





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Fig. 137 (b)

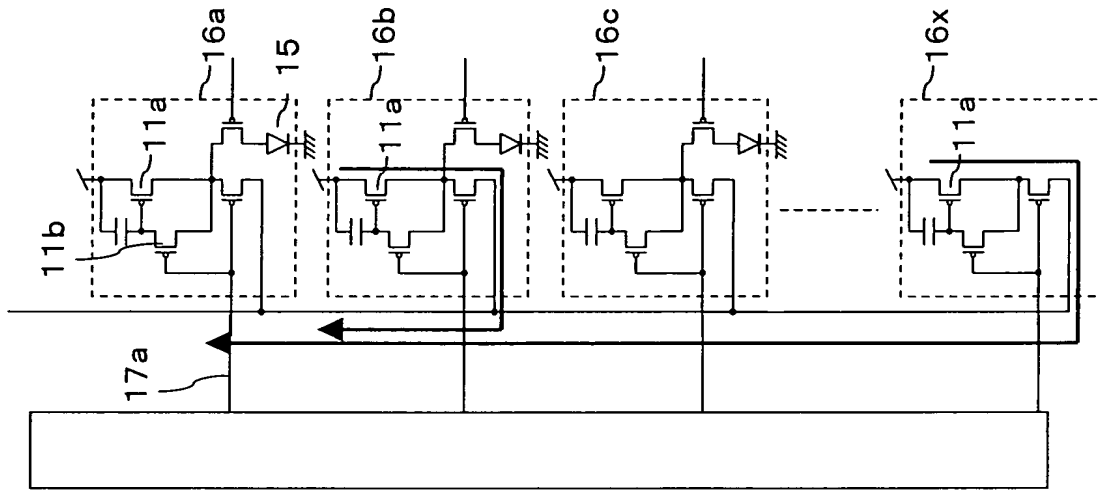
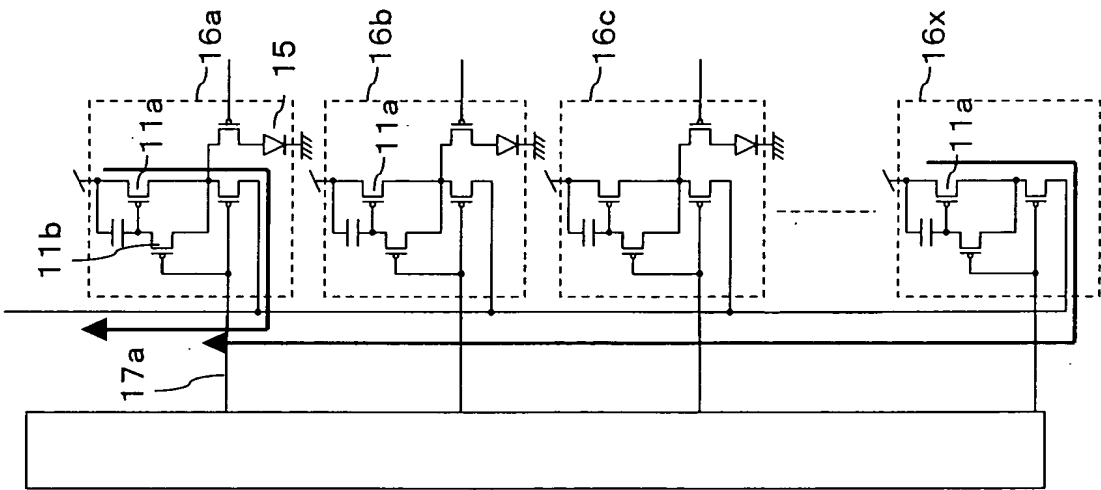
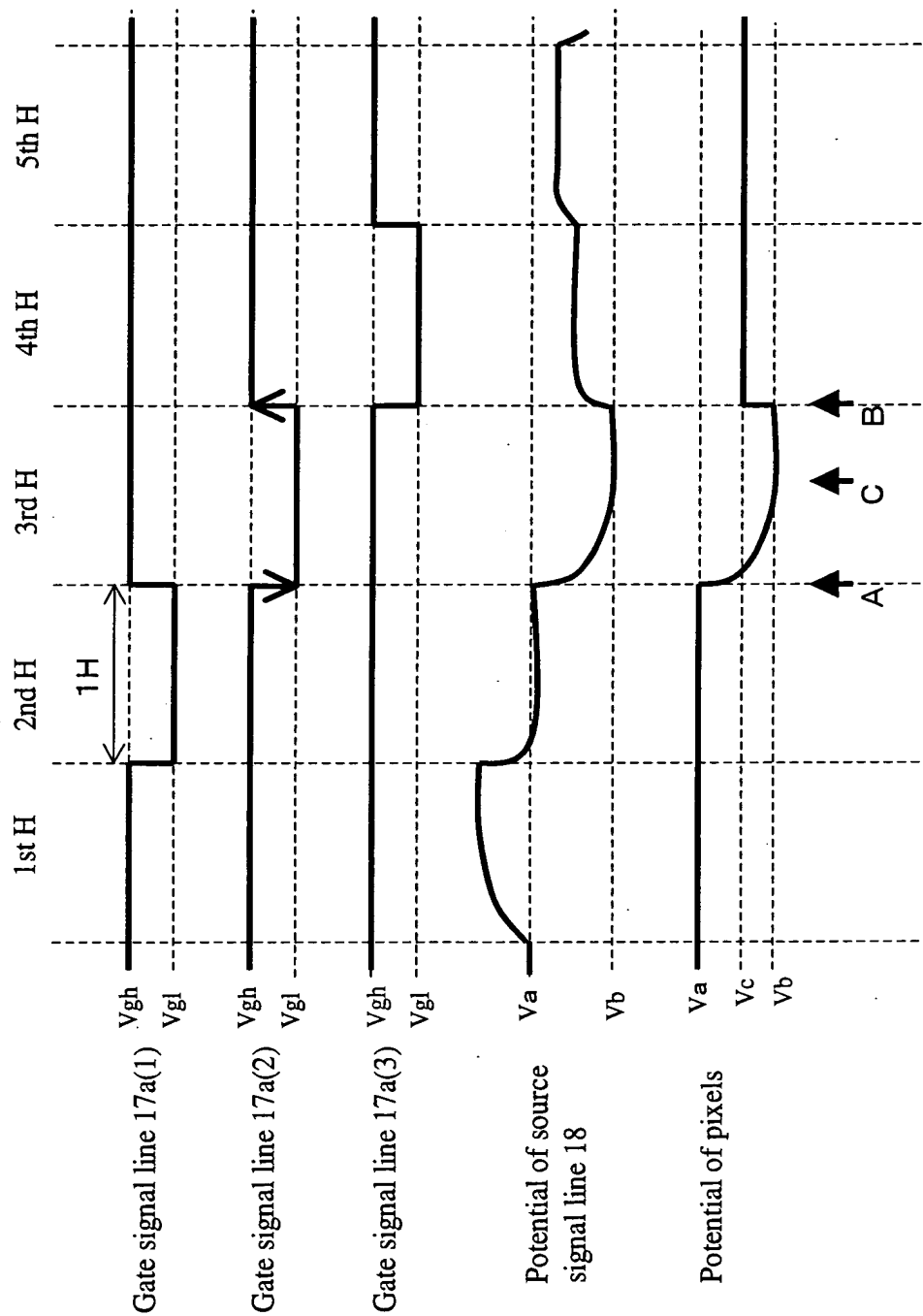


Fig. 137 (a)



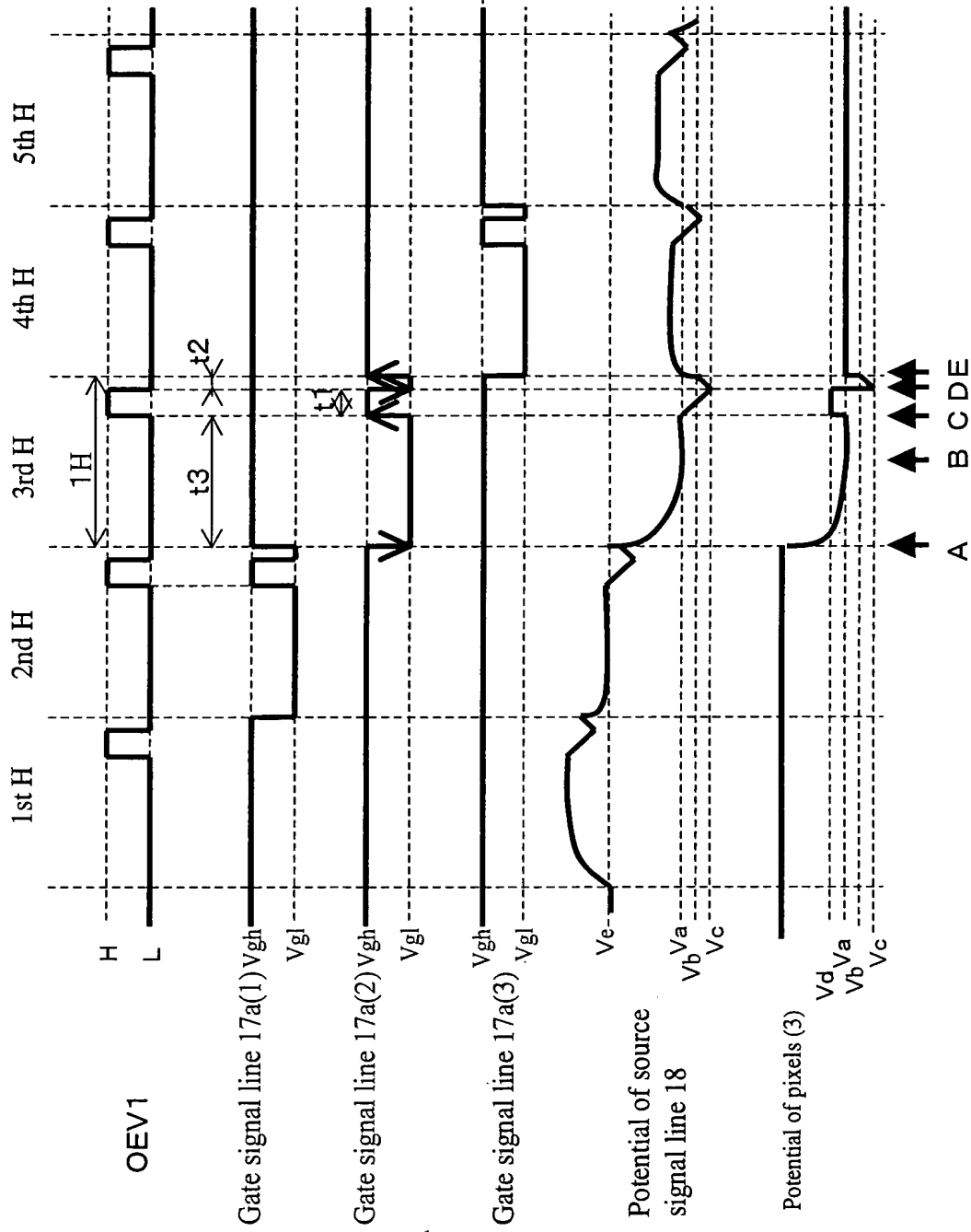
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Fig. 138



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Fig. 139



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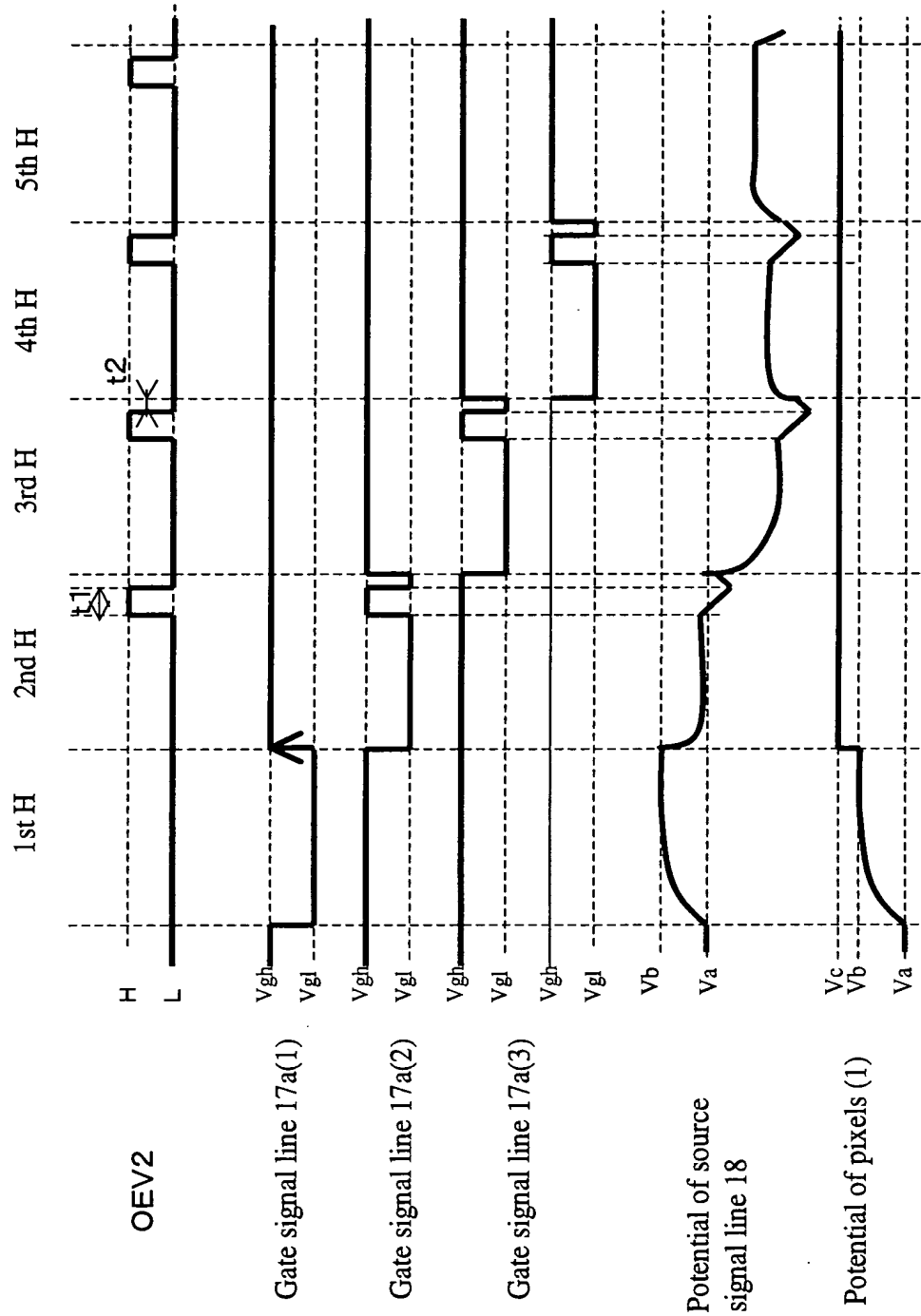


Fig. 140

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Fig. 141 (a)

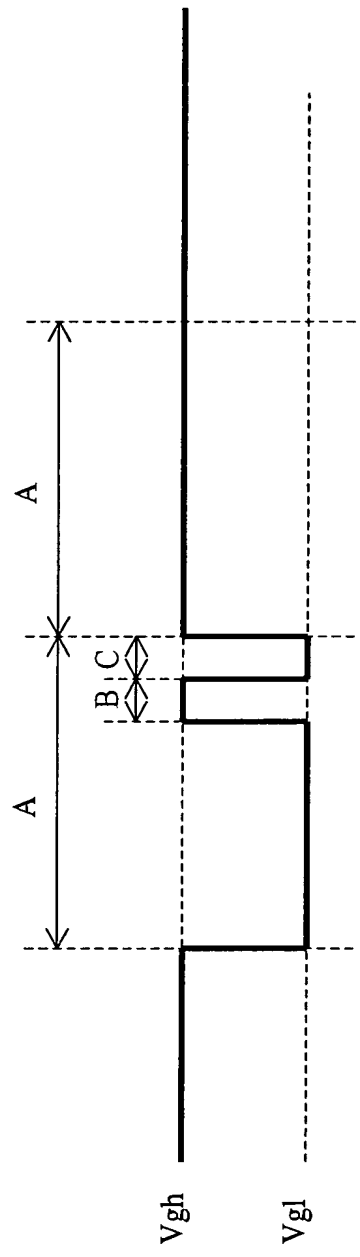
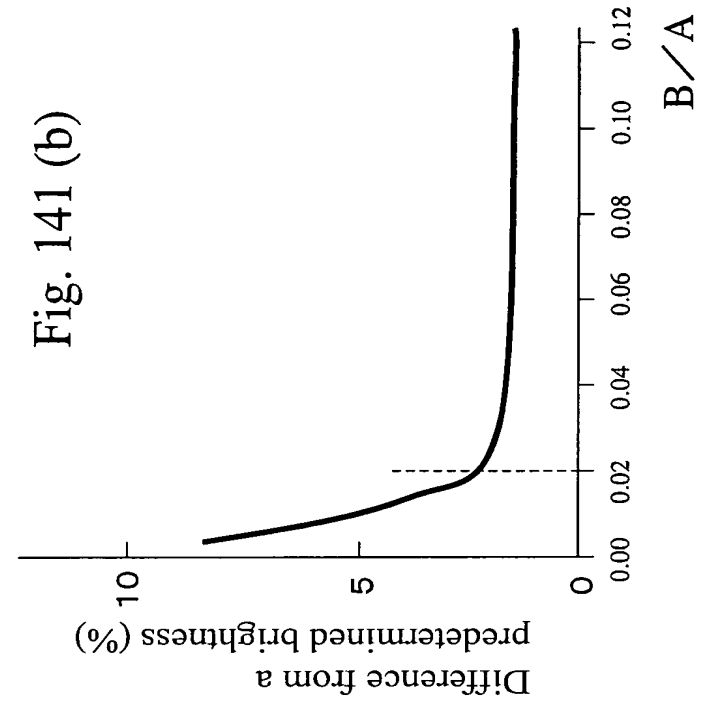


Fig. 141 (b)



$B=t1$

$A=1H$

$C=2\mu sec$

Fig. 142 (a)

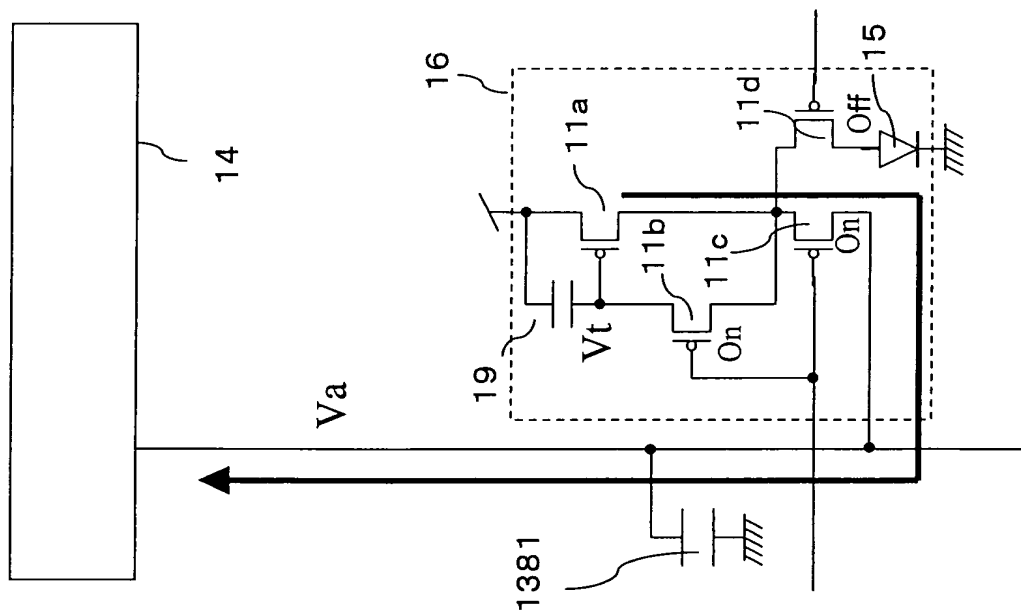
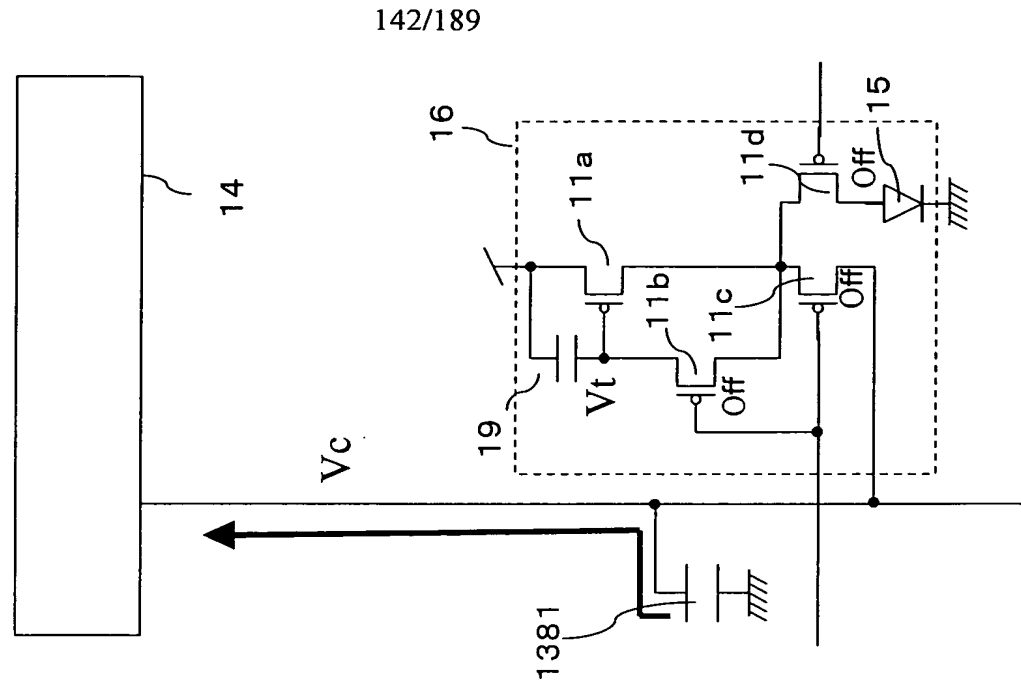


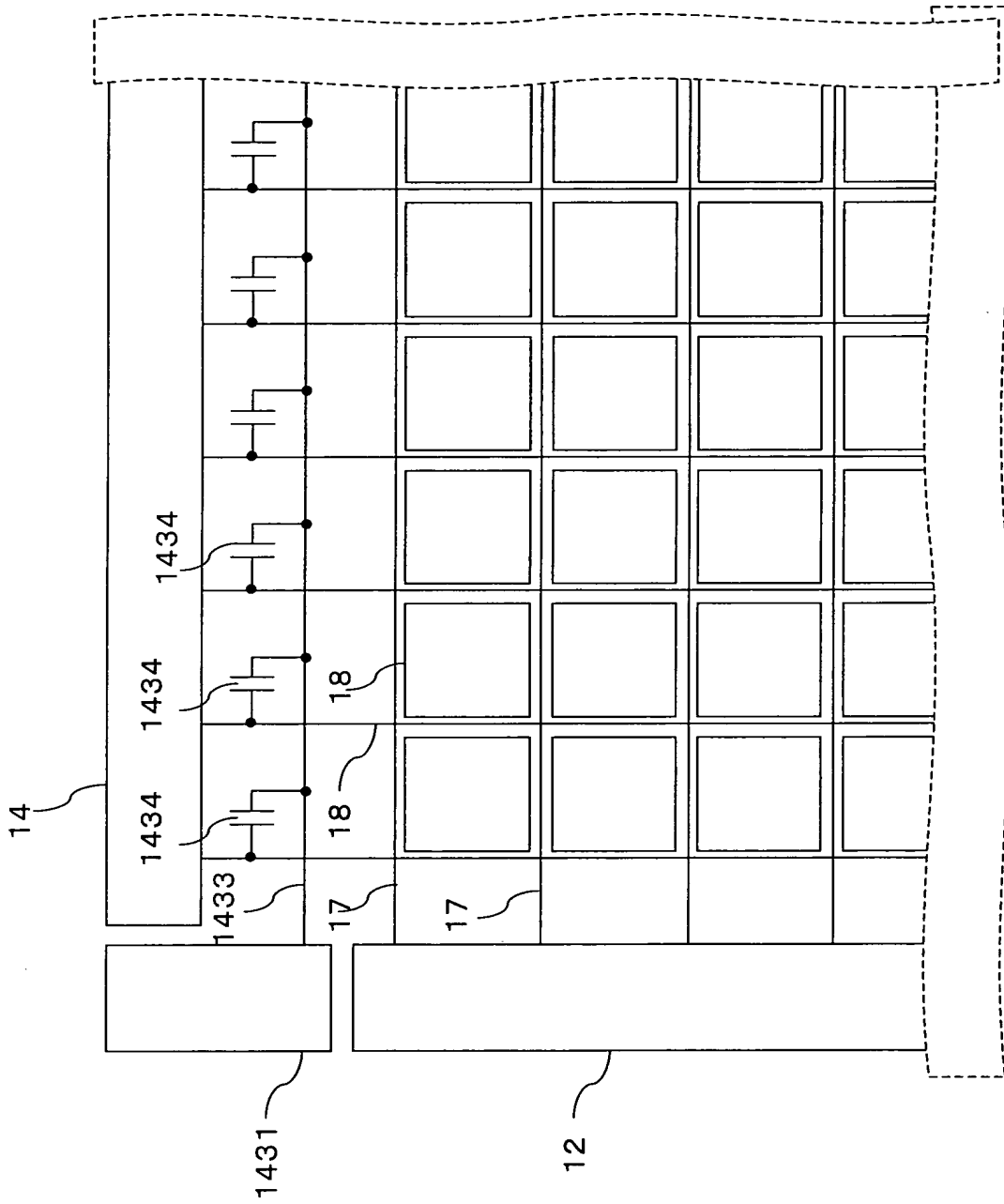
Fig. 142 (b)



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Fig. 143



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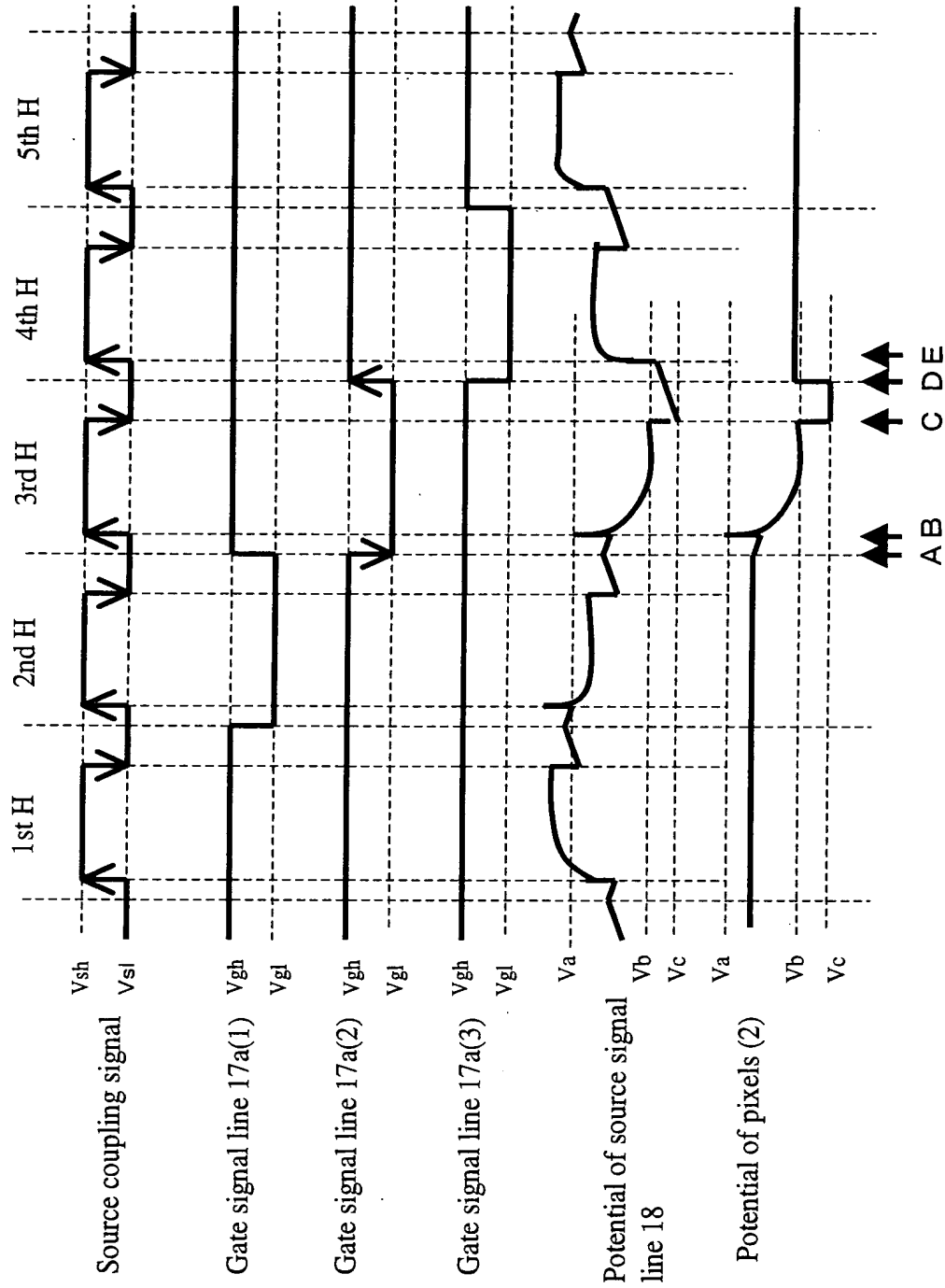


Fig. 144



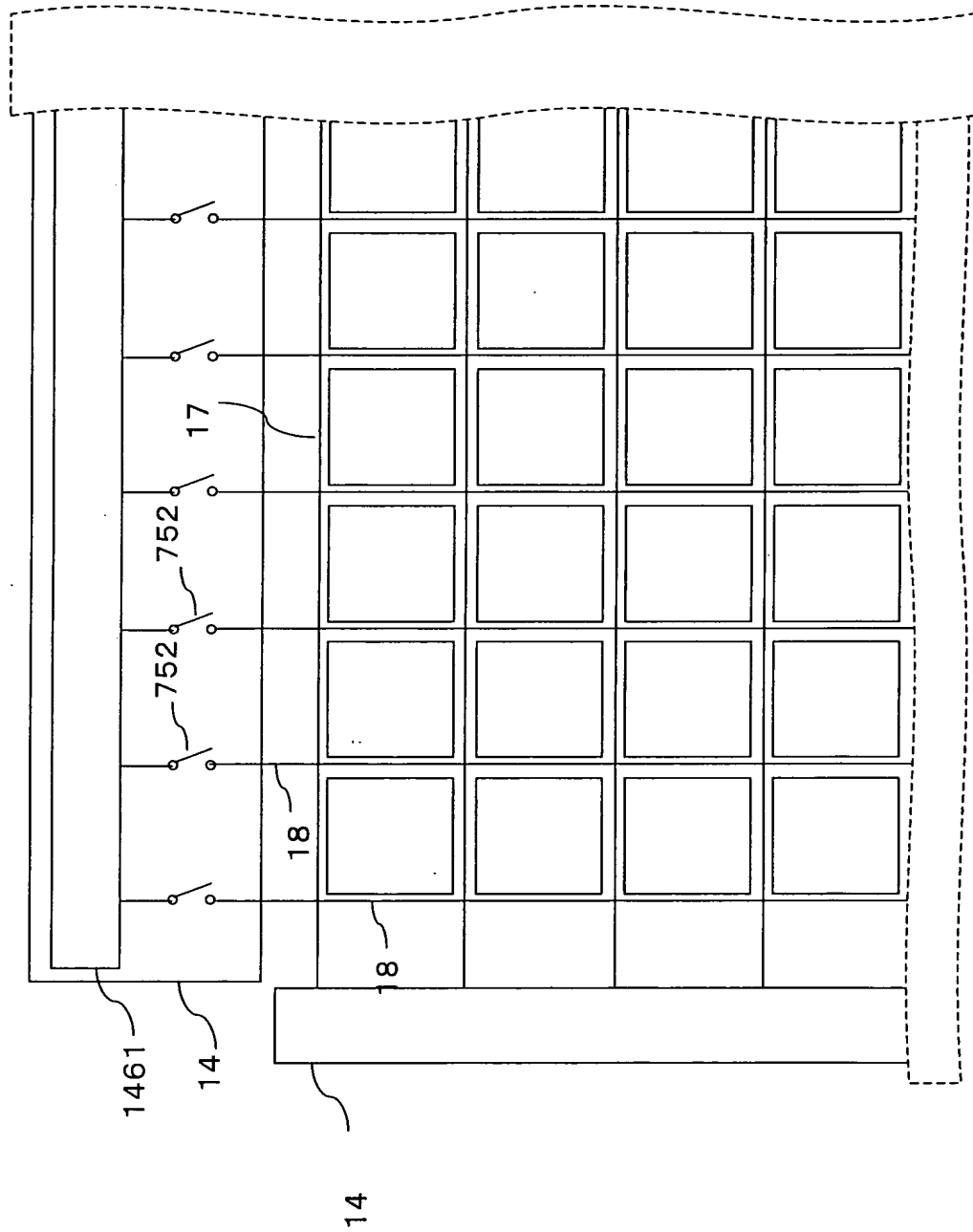
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Fig. 145

(Average) Gradation	B/A (ON periods)			
	MODE1	MODE2	MODE3	MODE4
1	0	0	0.05	0
2	0	0	0.05	0
3	0	0	0.05	0
4	0	0	0.05	0
5	0	0	0.05	0
17	0	0.05	0.05	0.05H
18	0	0.05	0.05	0.05H
19	0	0.05	0.05	0.04H
20	0	0.05	0.05	0.04H
21	0	0.05	0.05	0.03H
22	0	0.05	0.05	0.03H
61	0	0.05	0.05	0.22H
62	0	0.05	0.05	0.23H
63	0	0.05	0.05	0.24H
64	0	0.05	0.05	0.25H

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Fig. 146



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Fig. 147 (a)

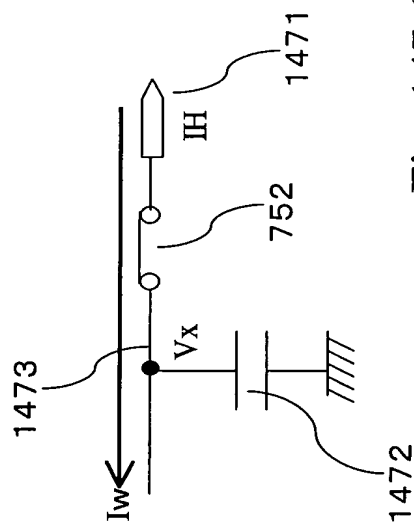


Fig. 147 (b)

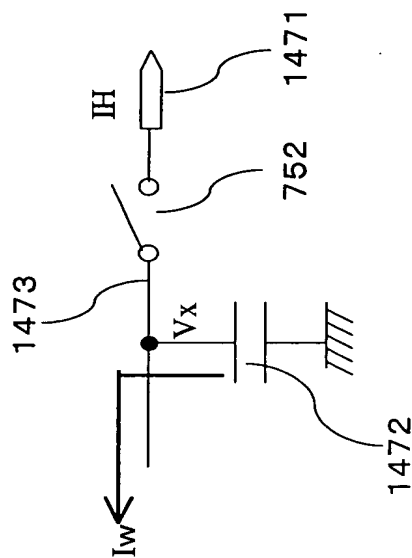
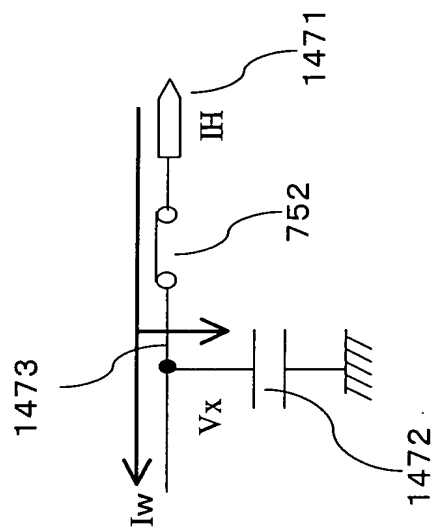


Fig. 147 (c)



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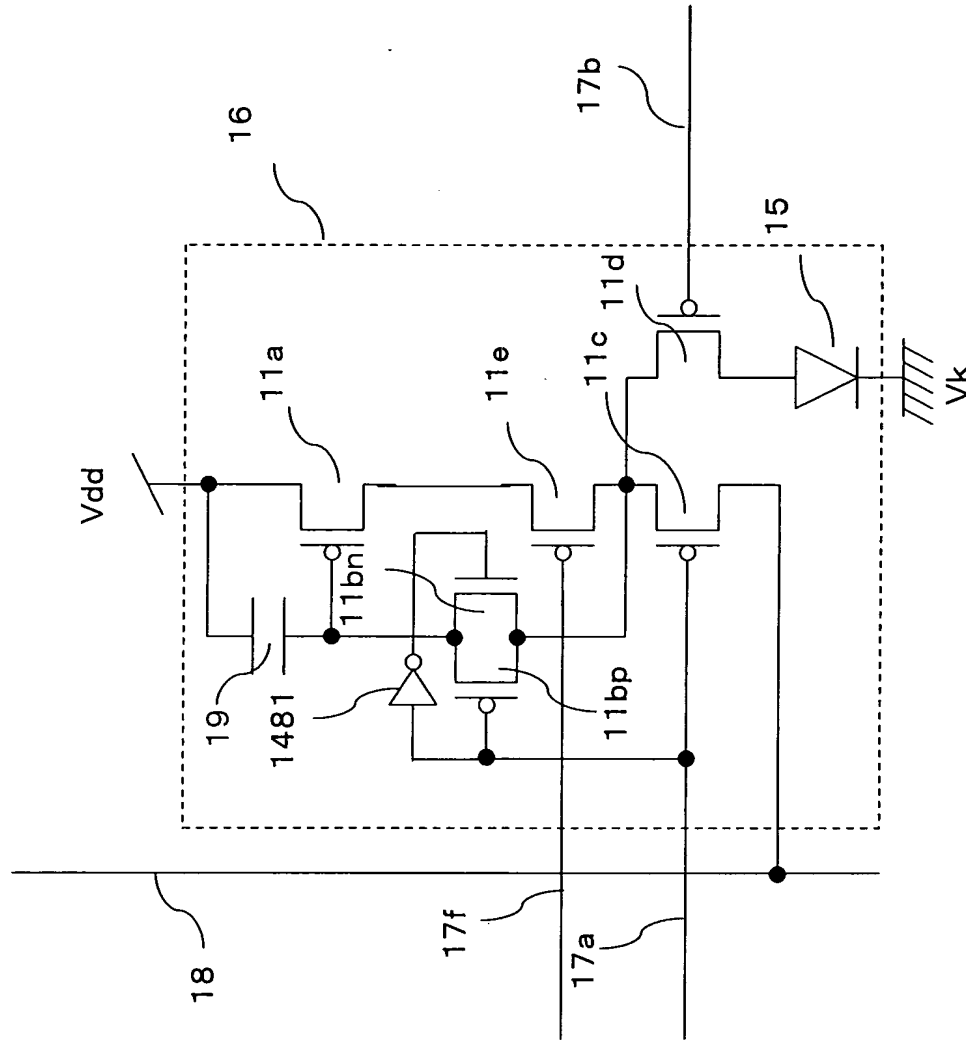


Fig. 148

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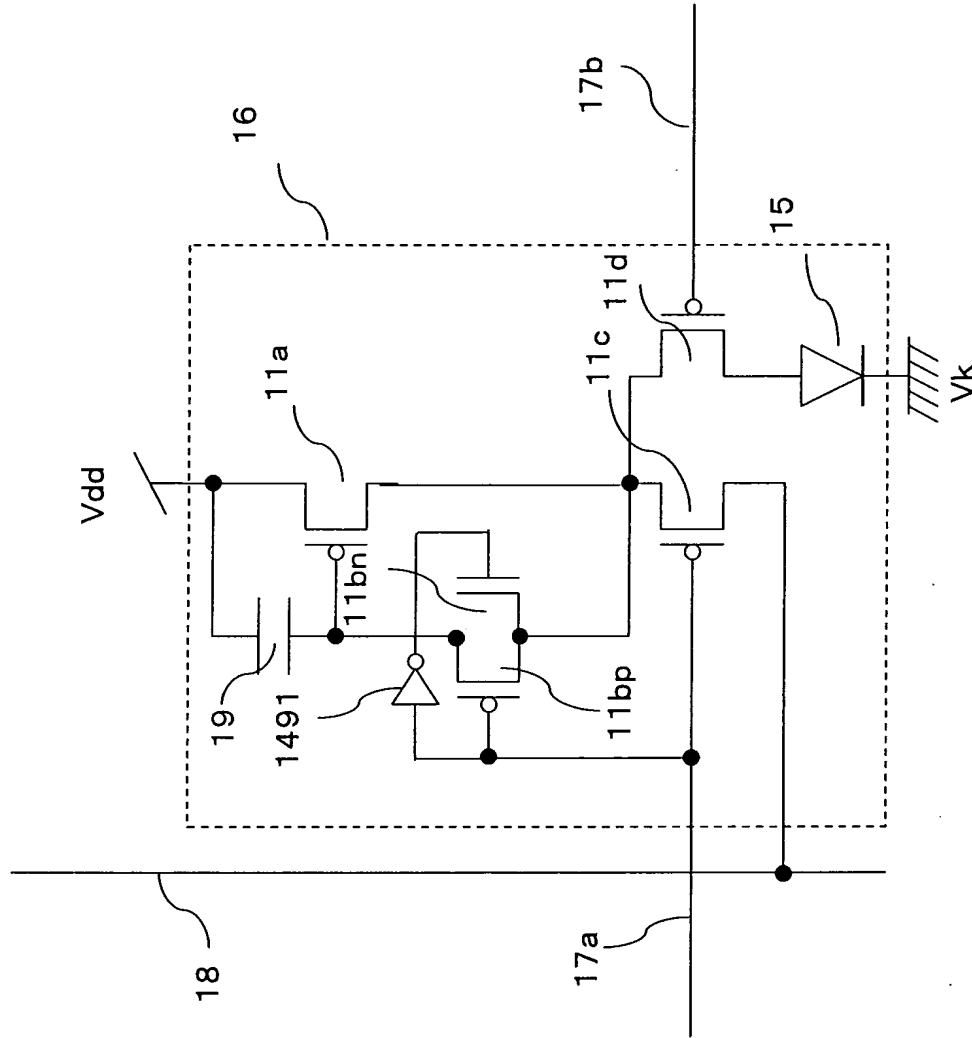


Fig. 149

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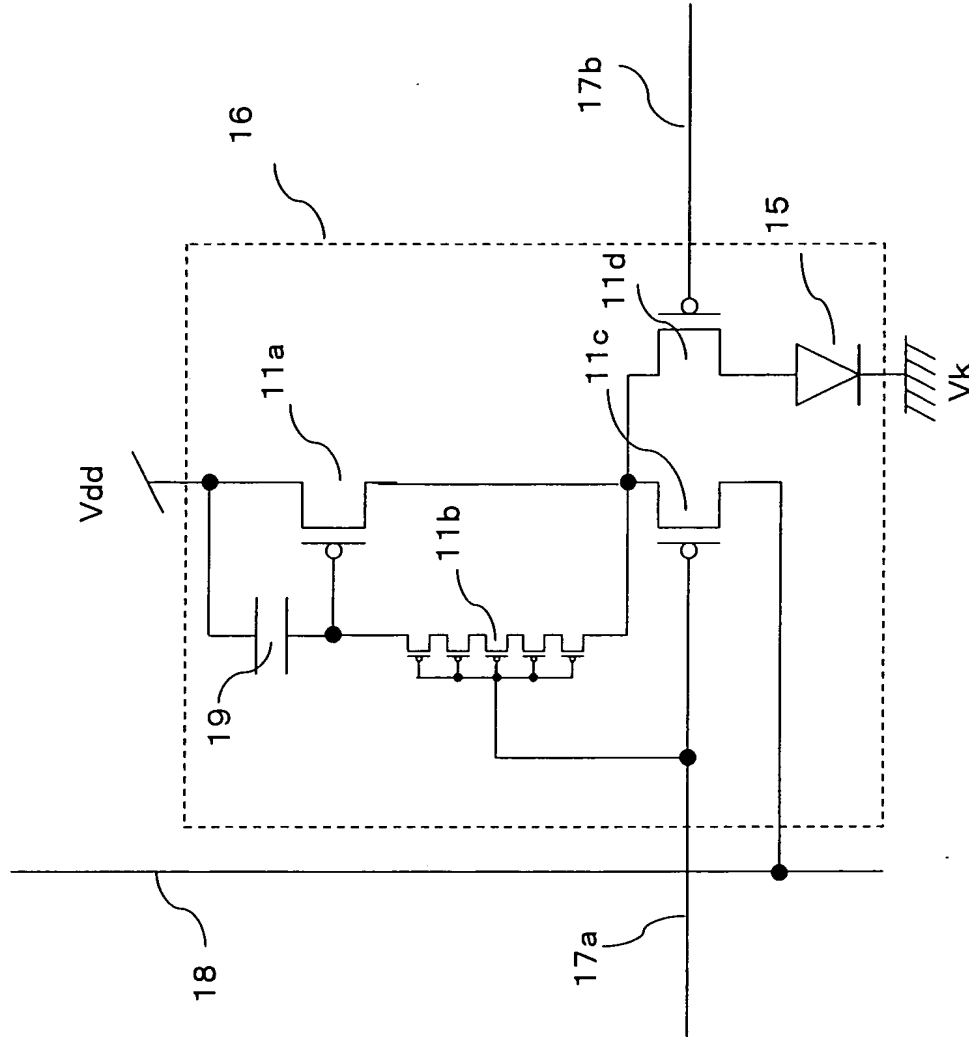


Fig. 150

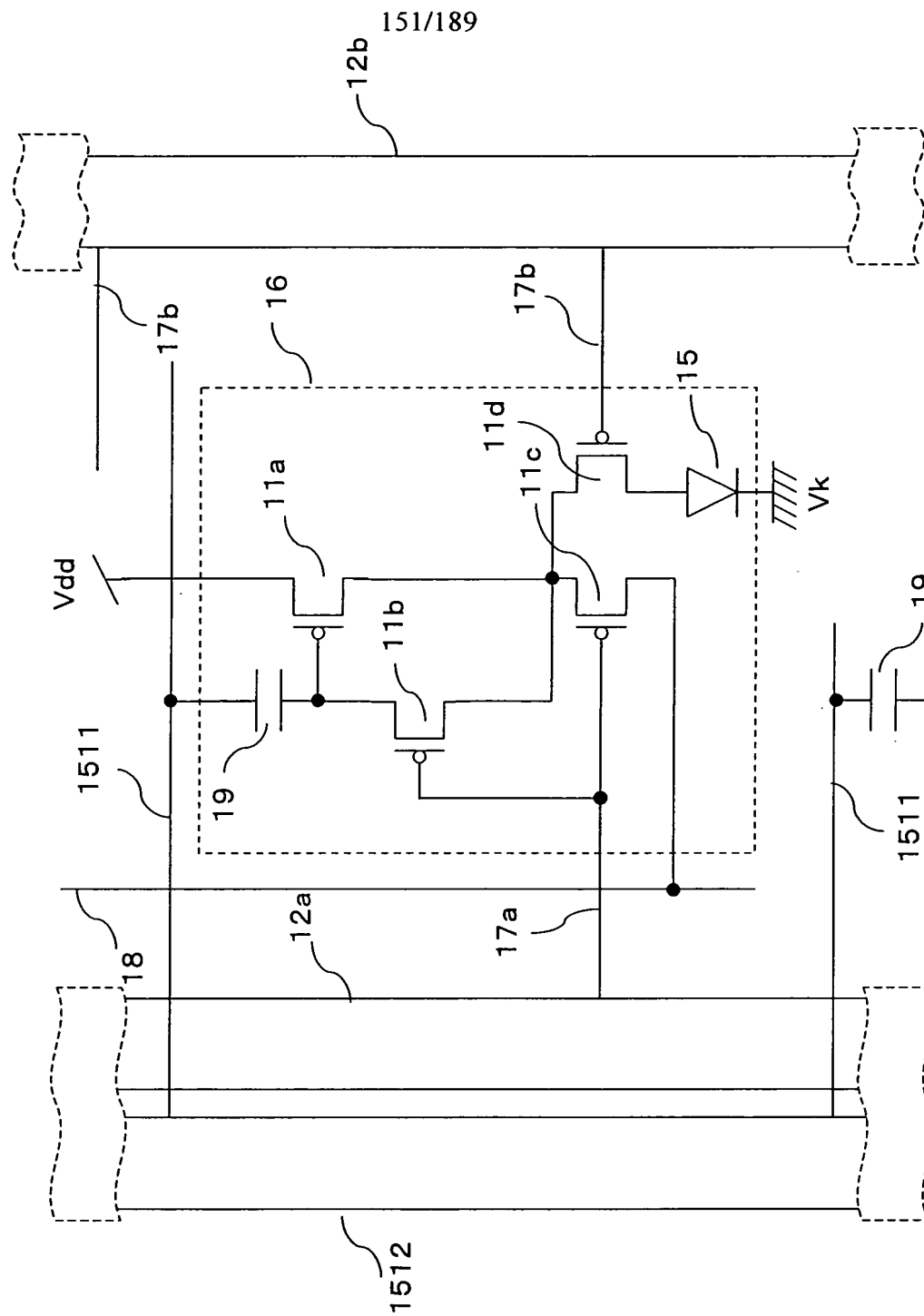
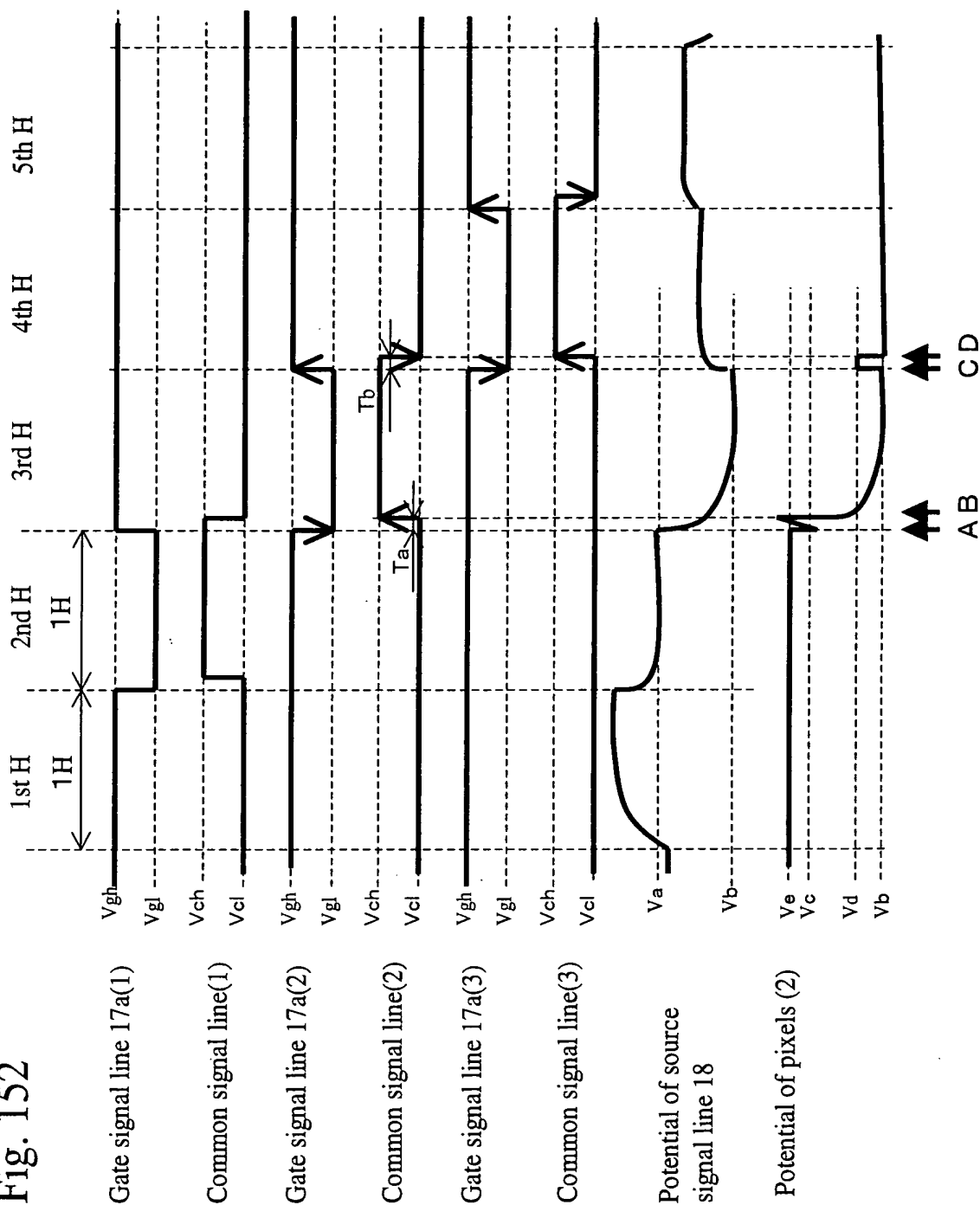


Fig. 151

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Fig. 152





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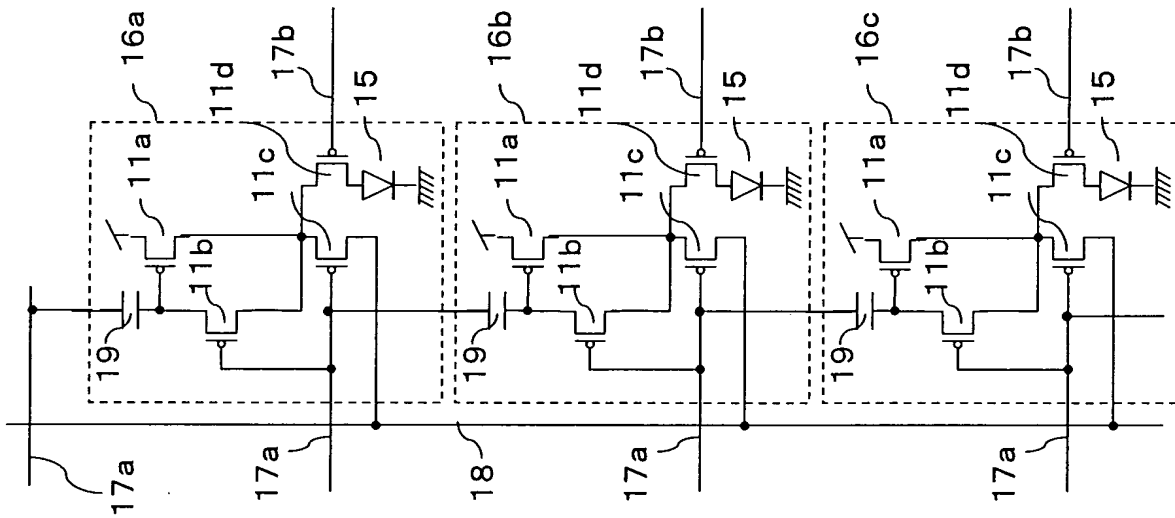
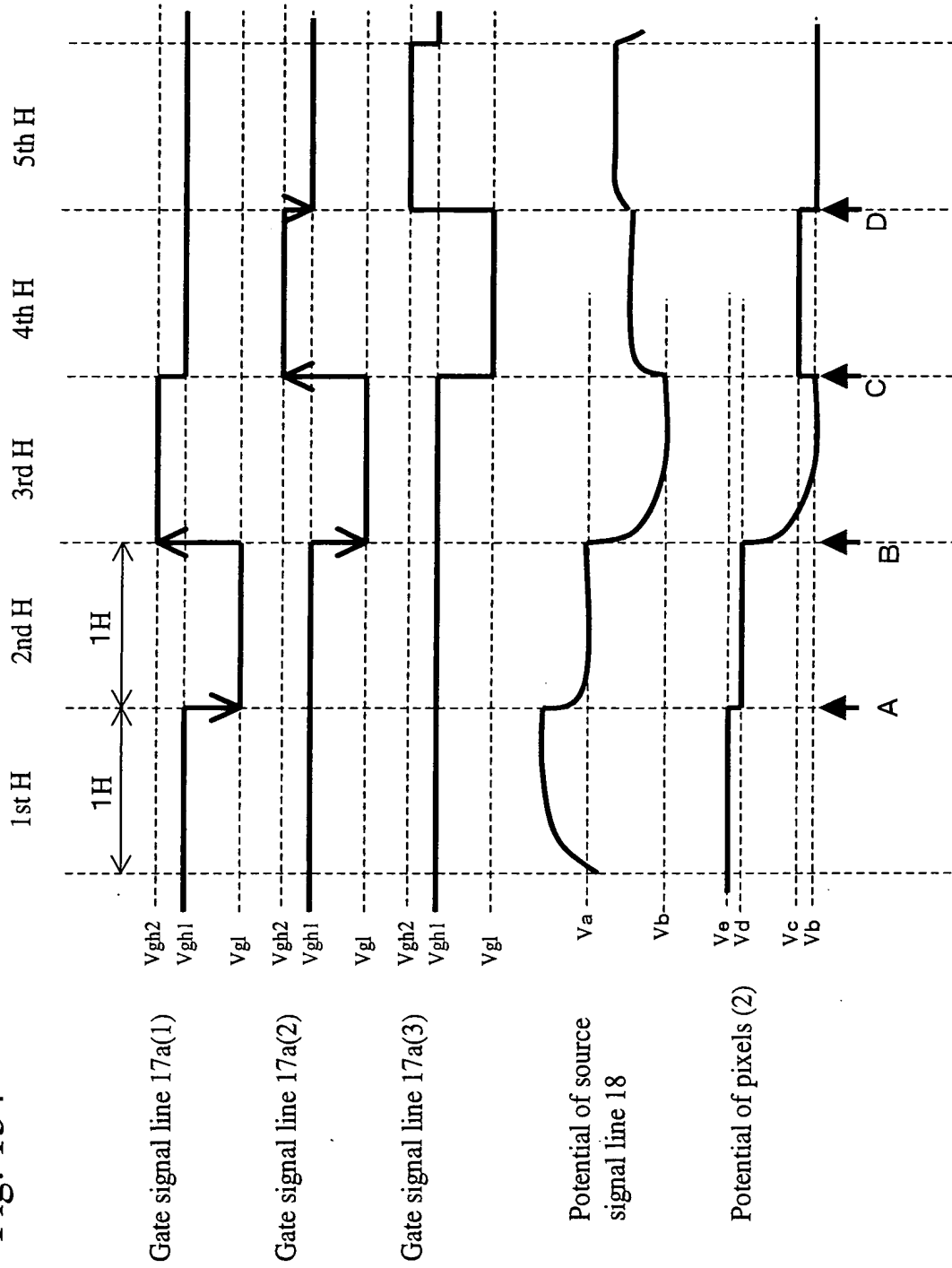


Fig. 153

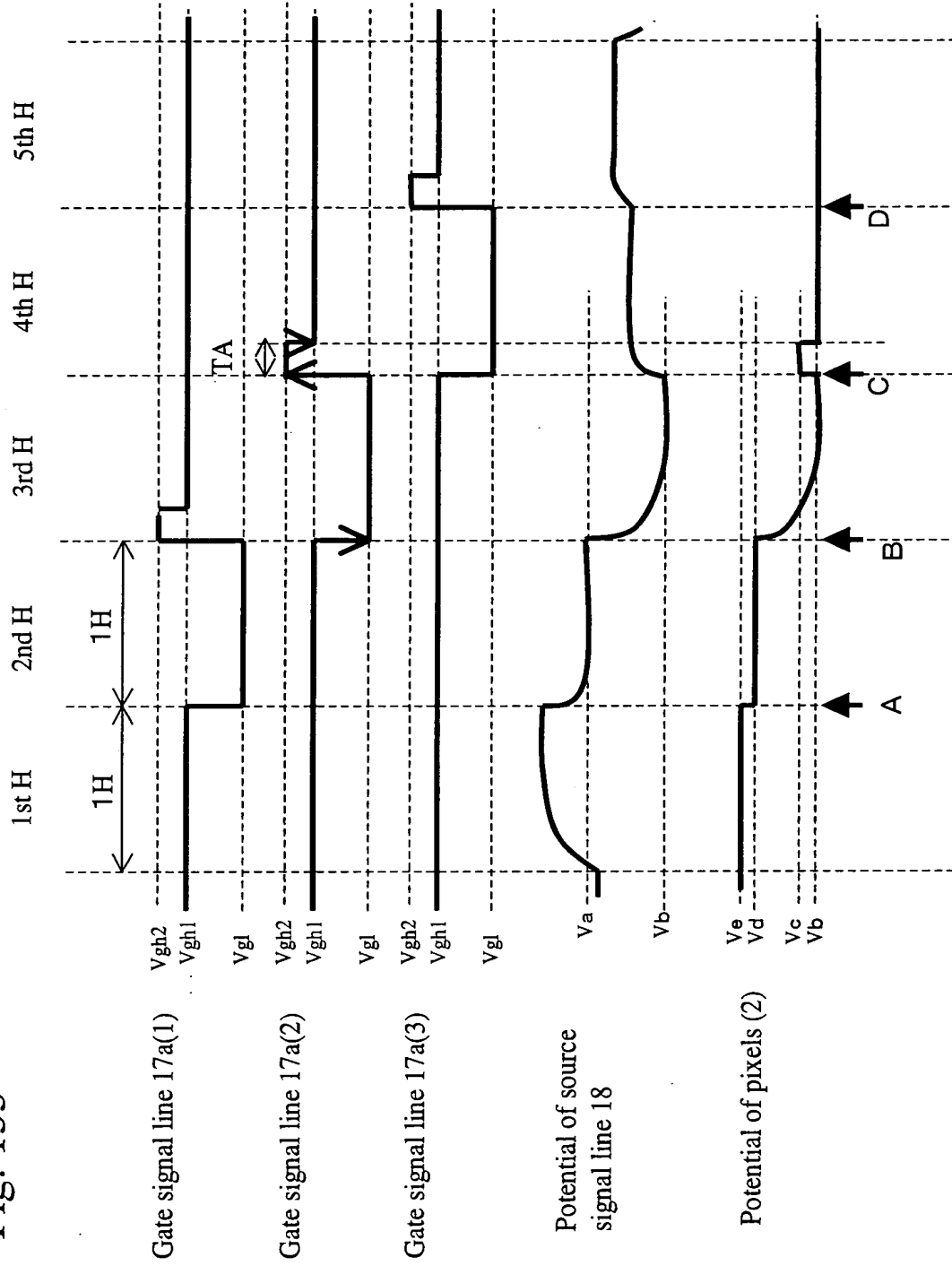
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Fig. 154



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Fig. 155



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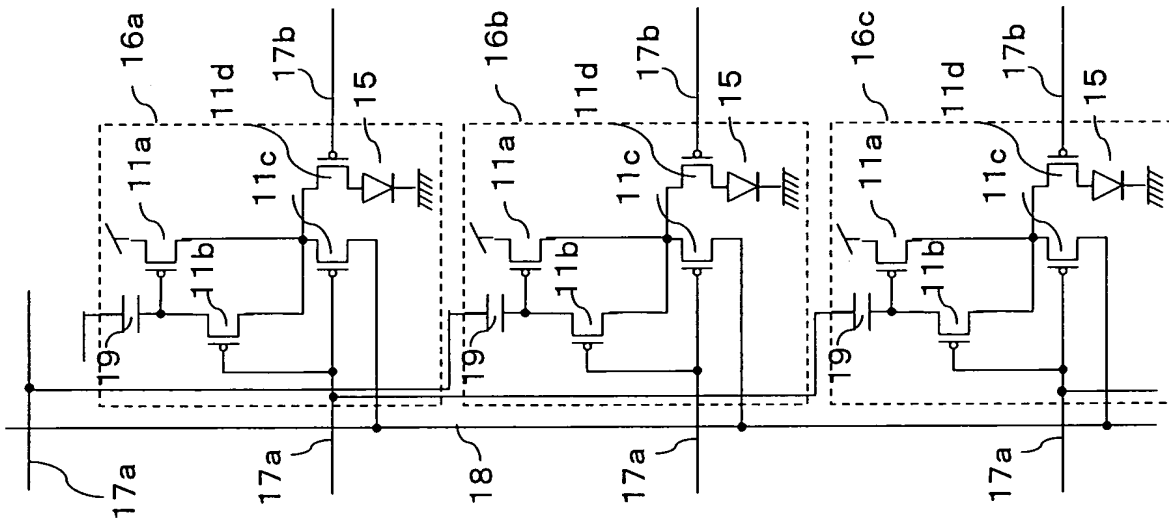
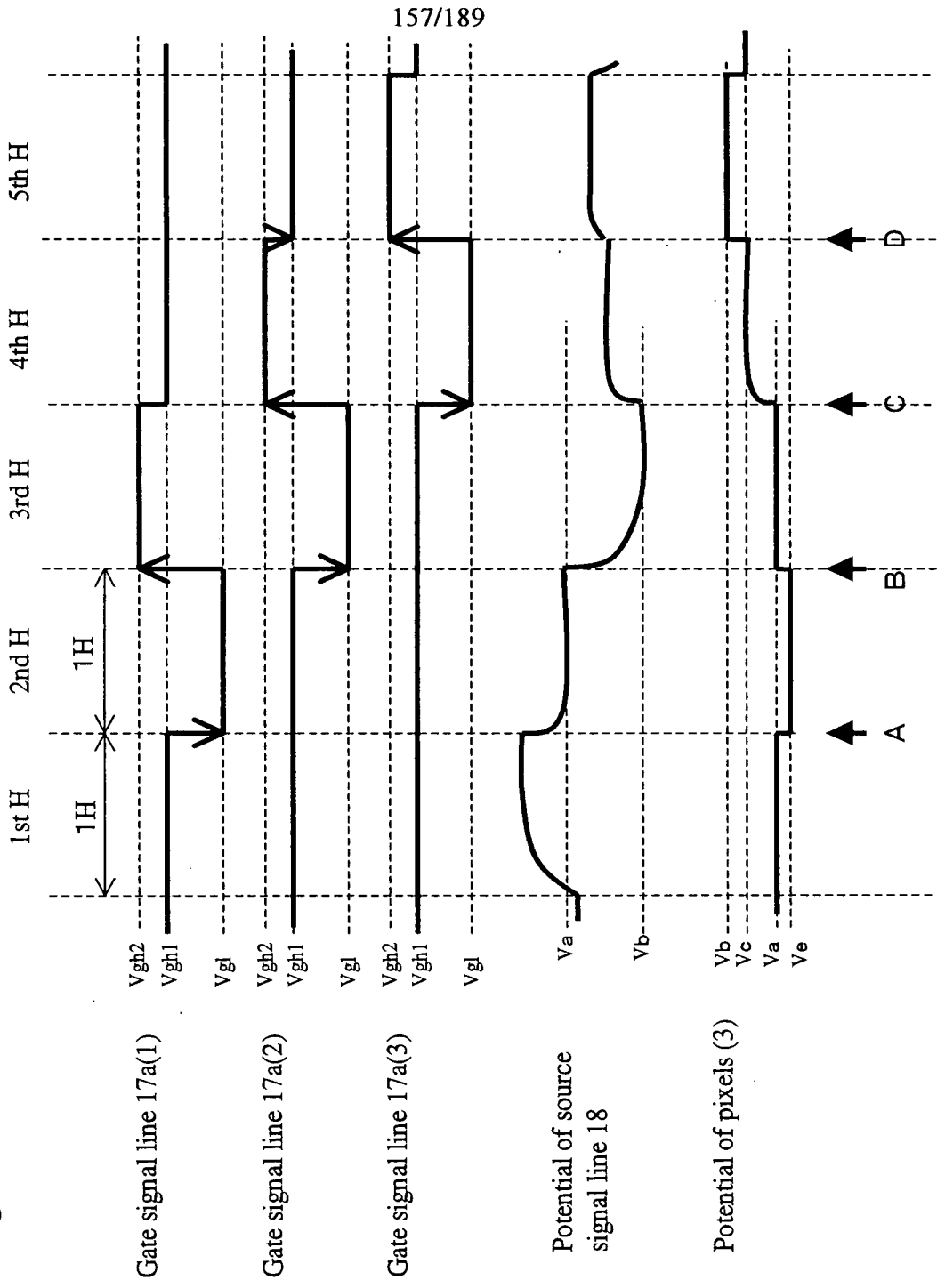


Fig. 156

Fig. 157



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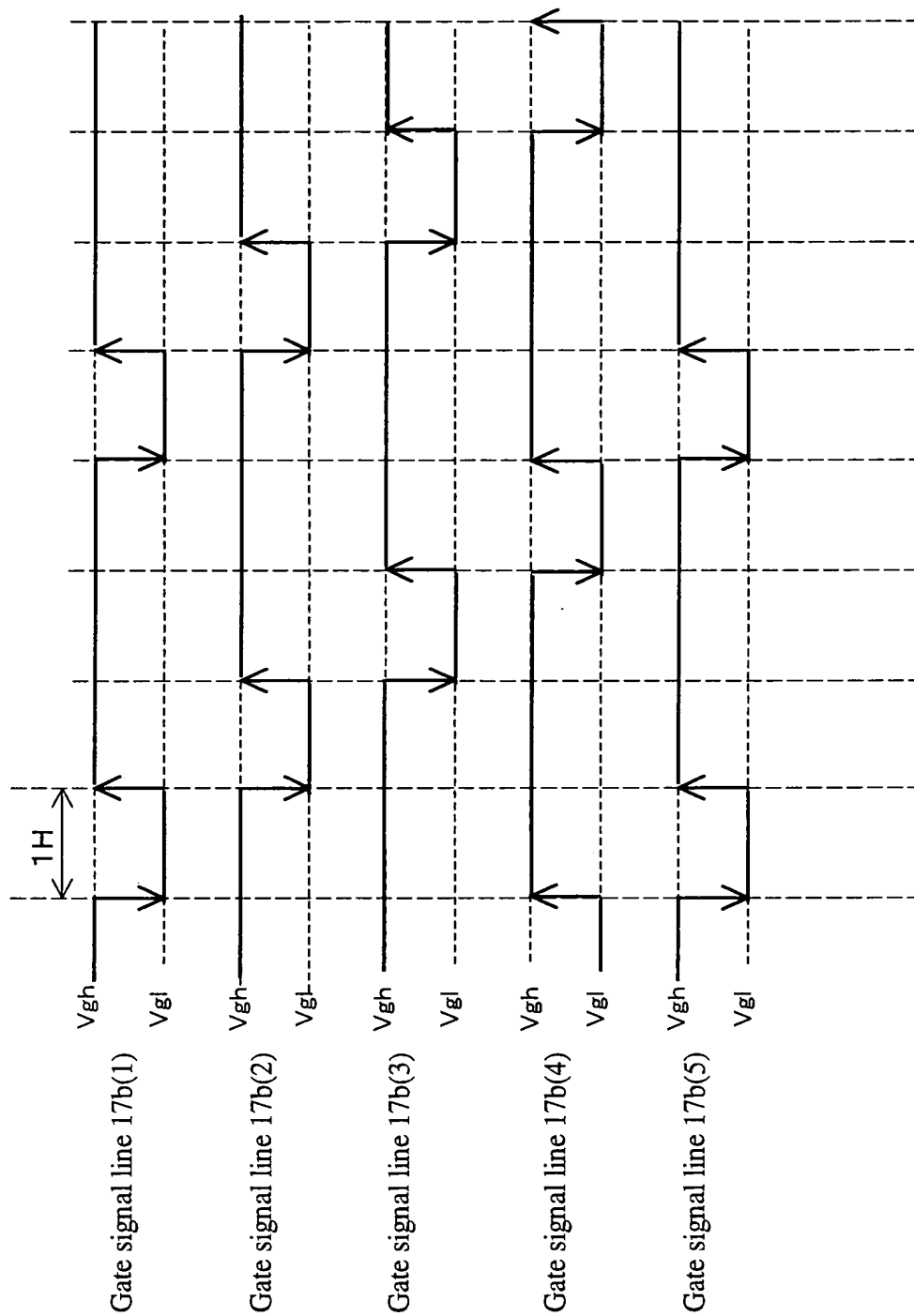
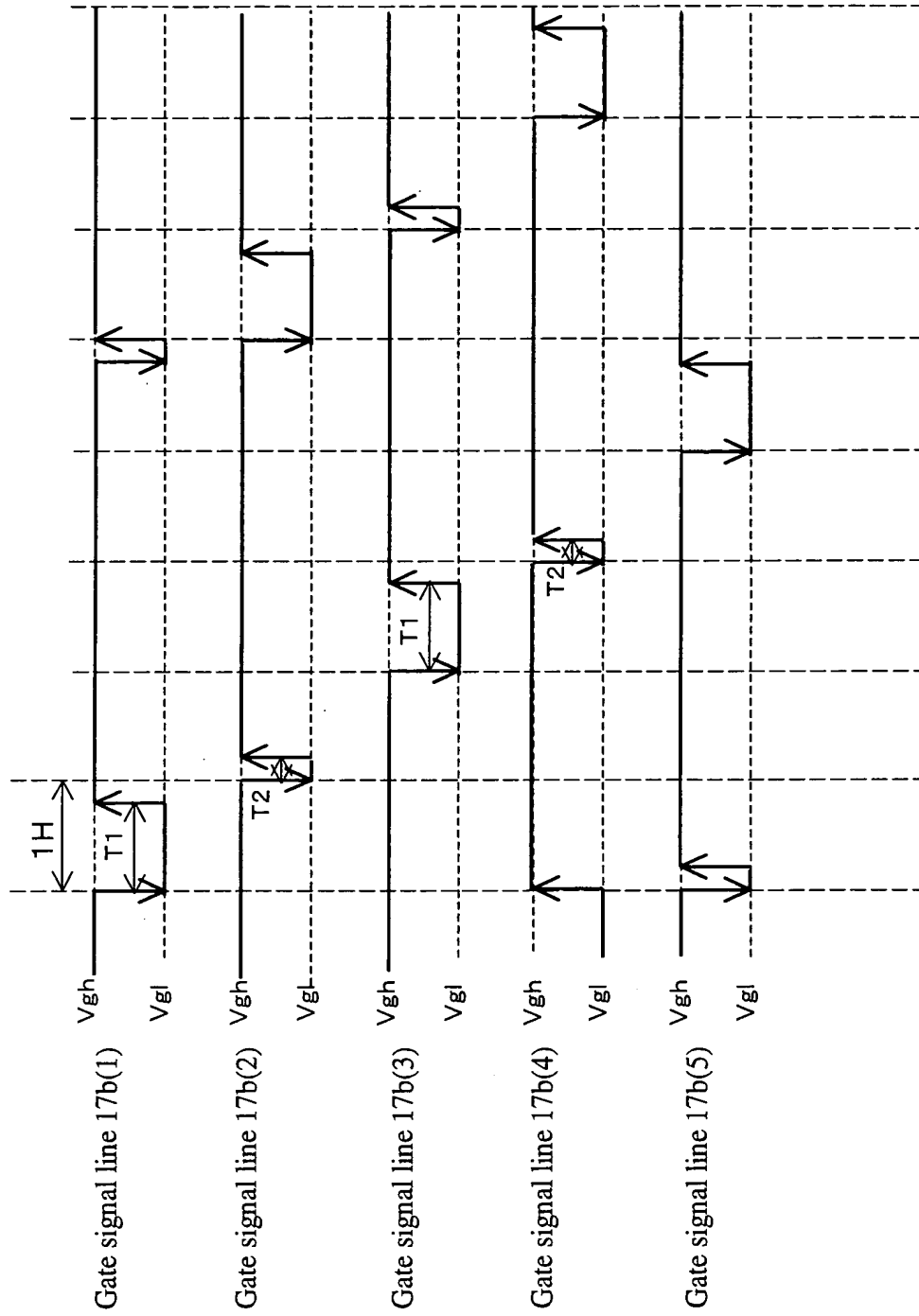


Fig. 158

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Fig. 159



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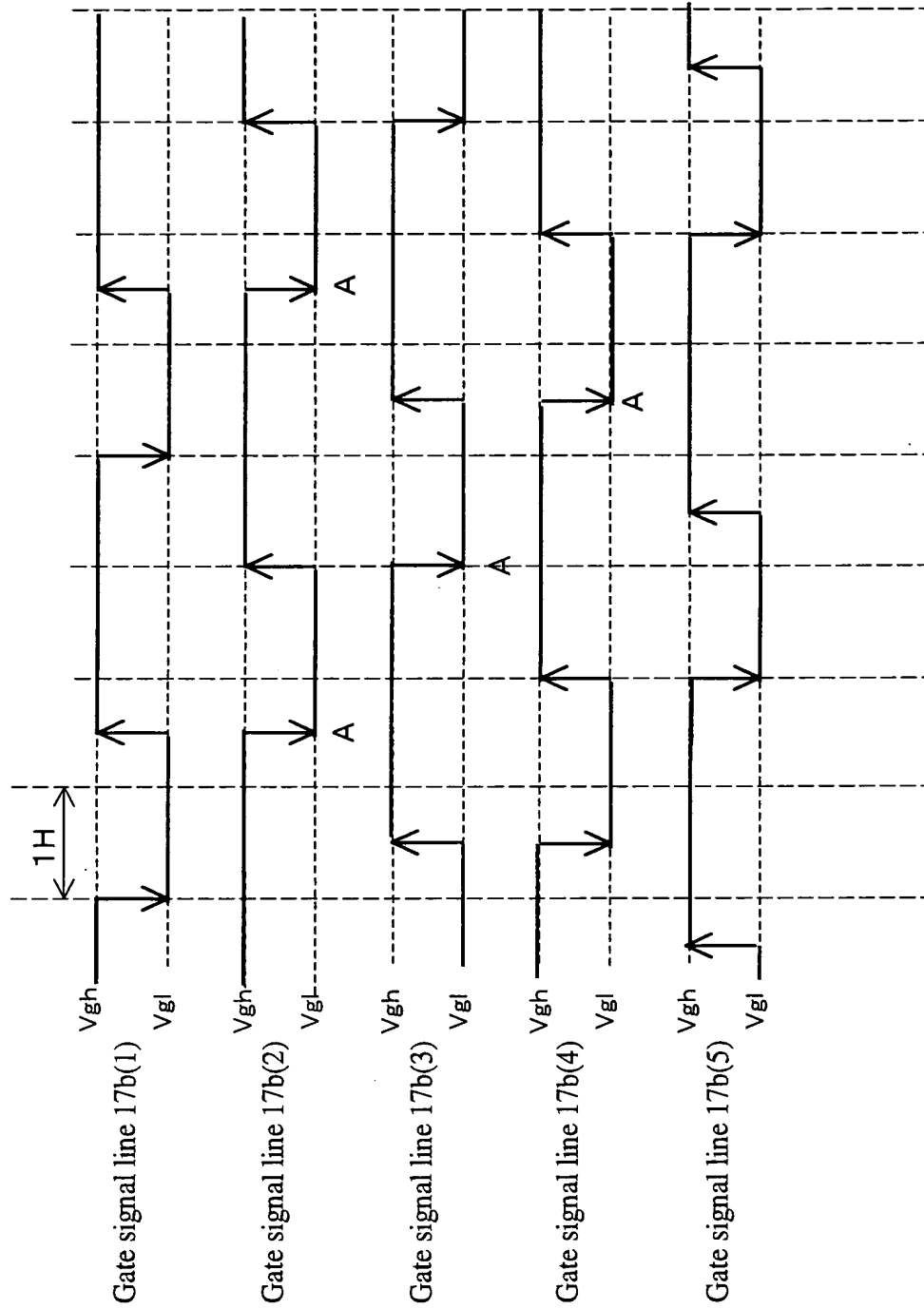
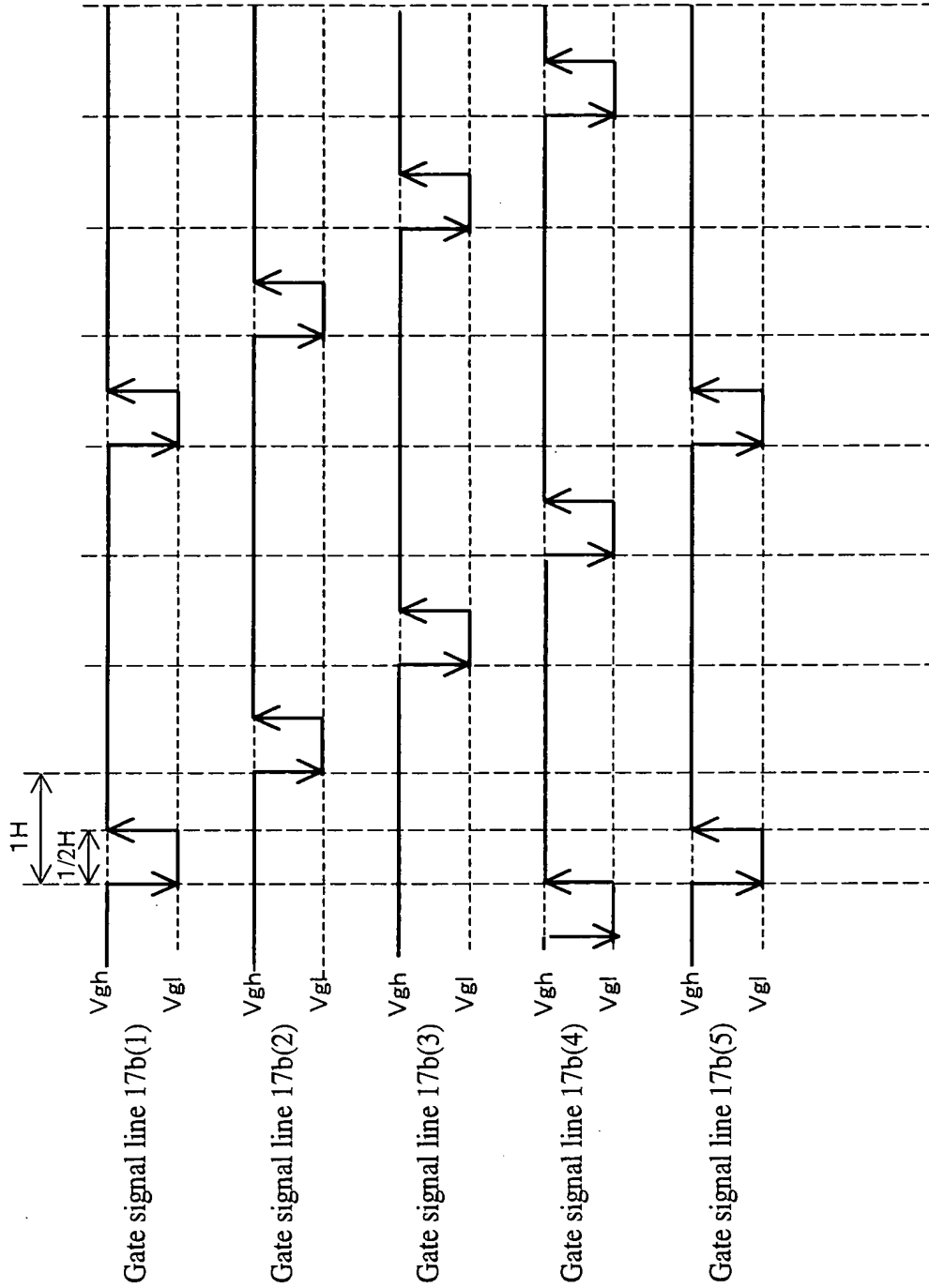


Fig. 160



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Fig. 161



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Fig. 162

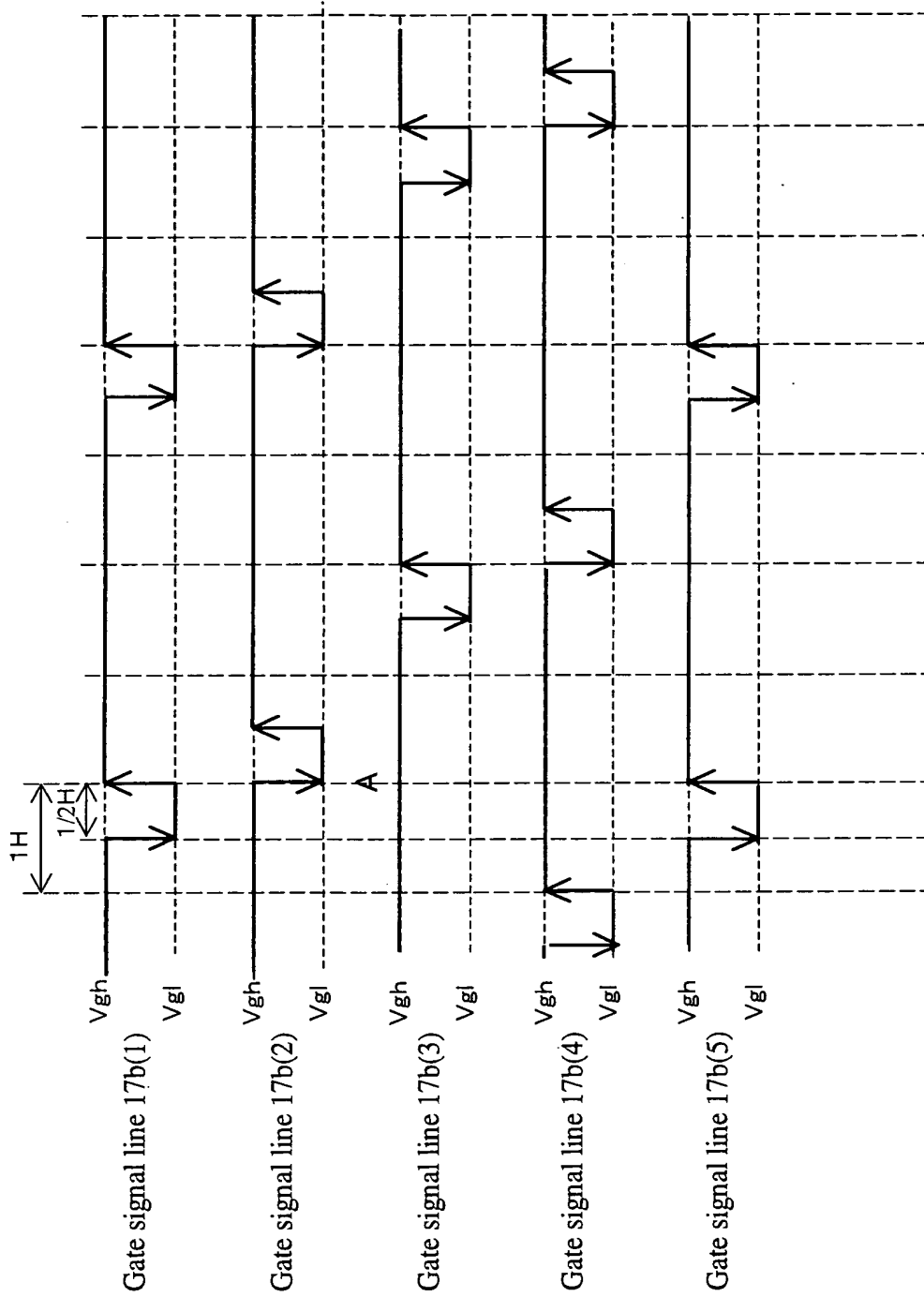


Fig. 163 (a)

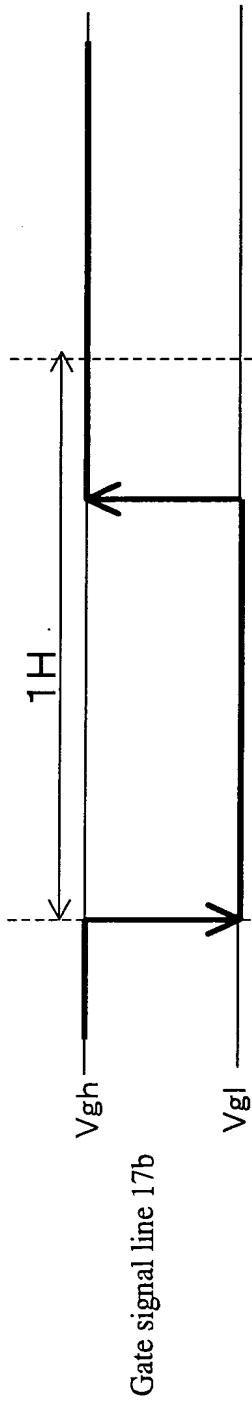


Fig. 163 (b)

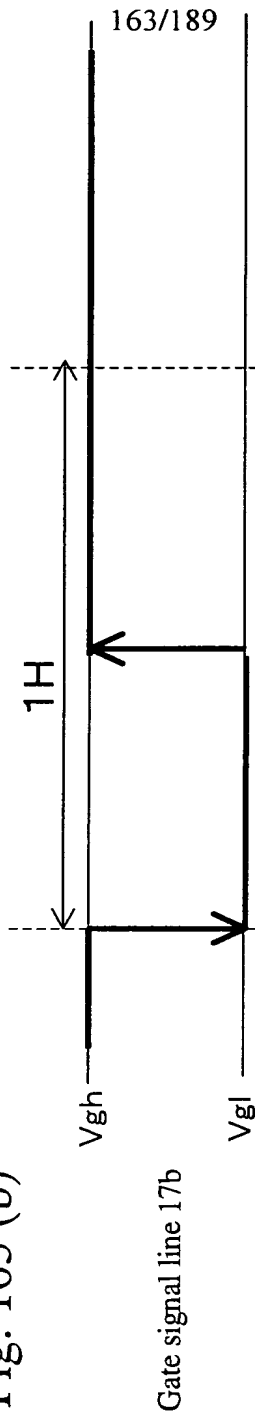


Fig. 163 (c)

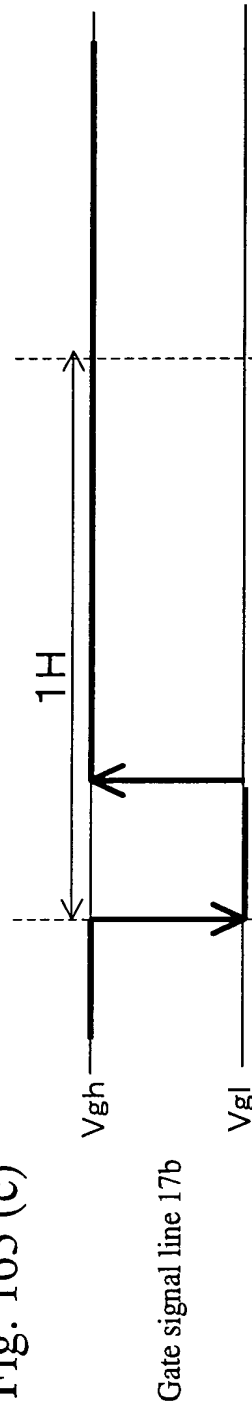


Fig. 164 (a)

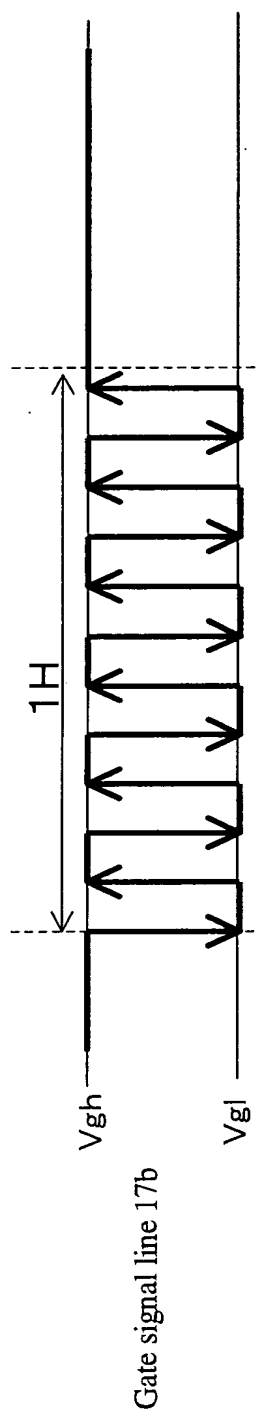


Fig. 164 (b)

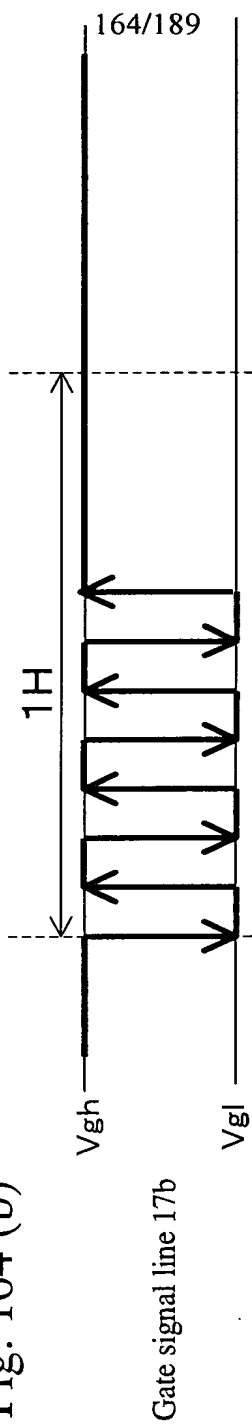
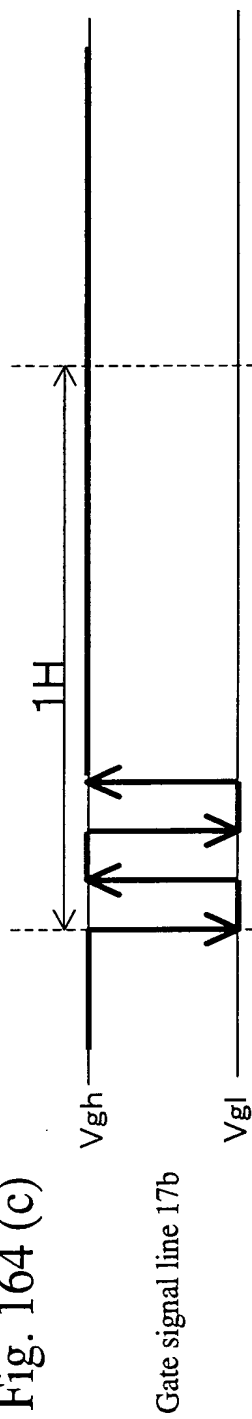


Fig. 164 (c)



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Fig. 165 (b)

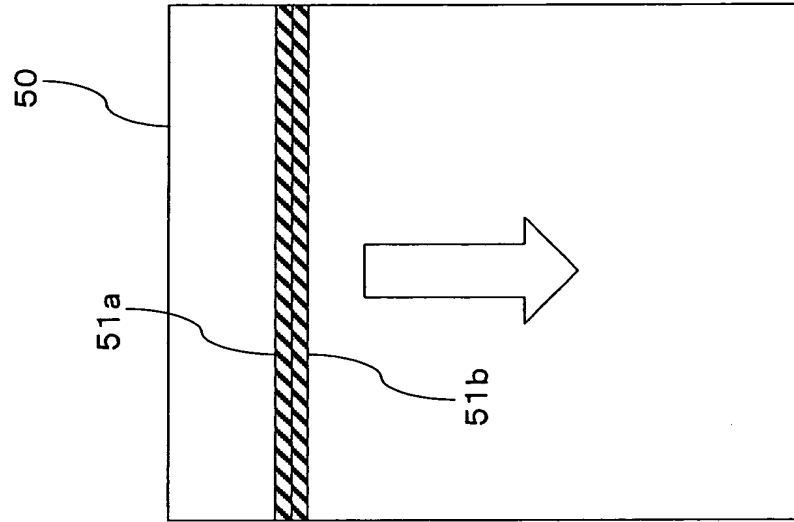
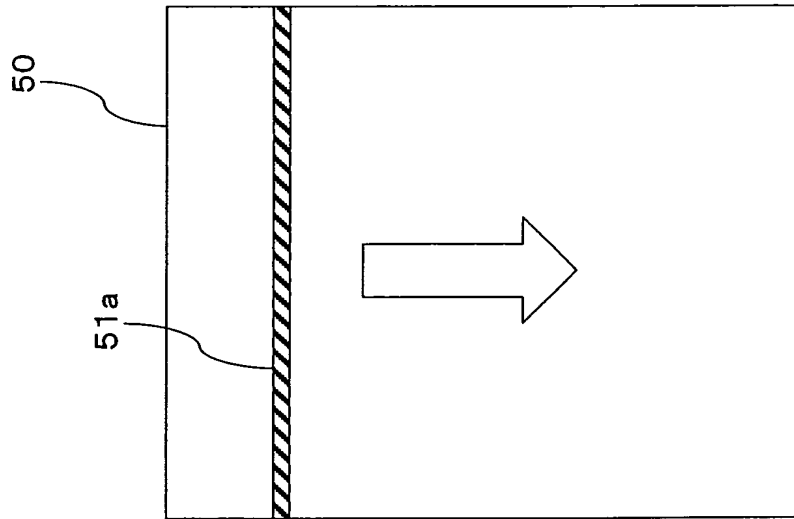


Fig. 165 (a)



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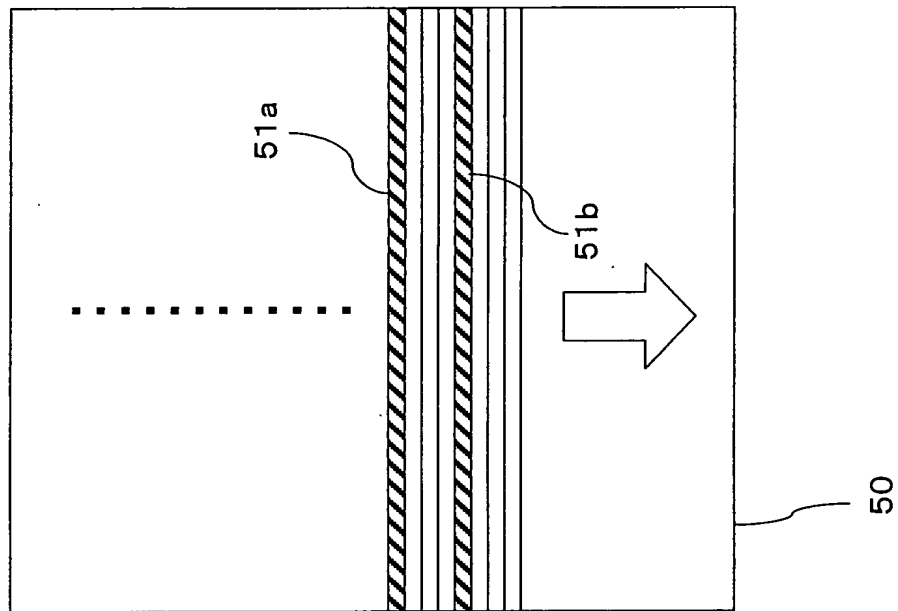
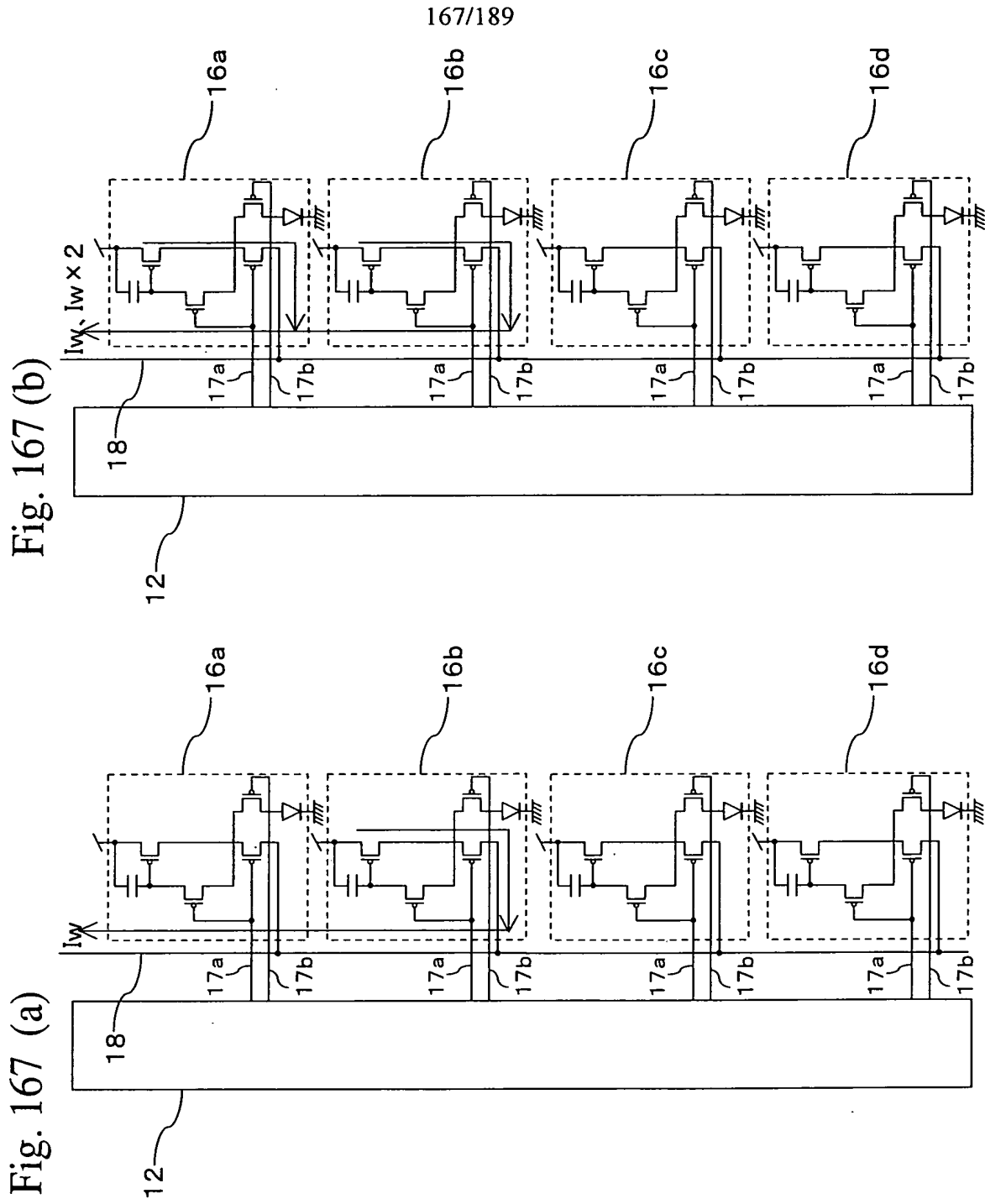


Fig. 166



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Fig. 168 (a)

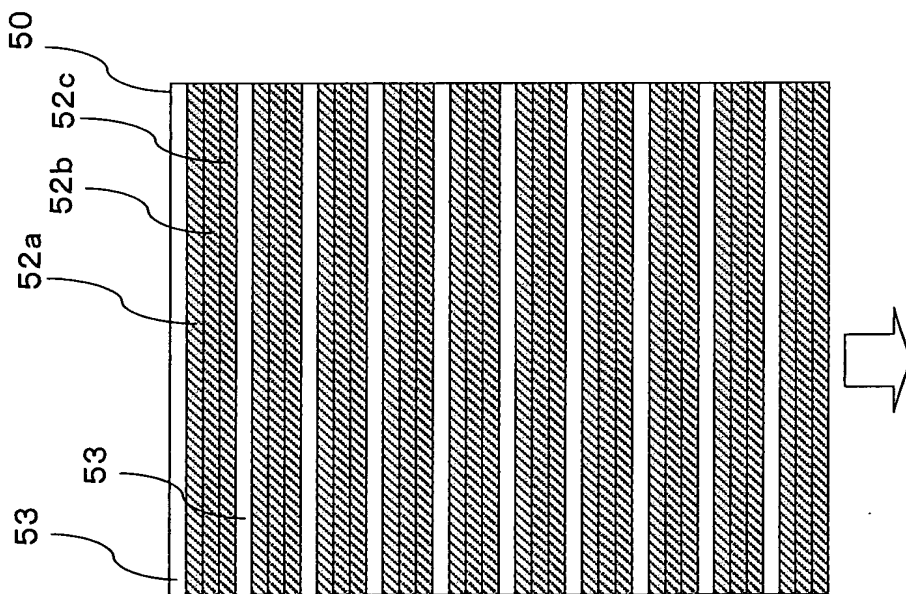


Fig. 168 (b)

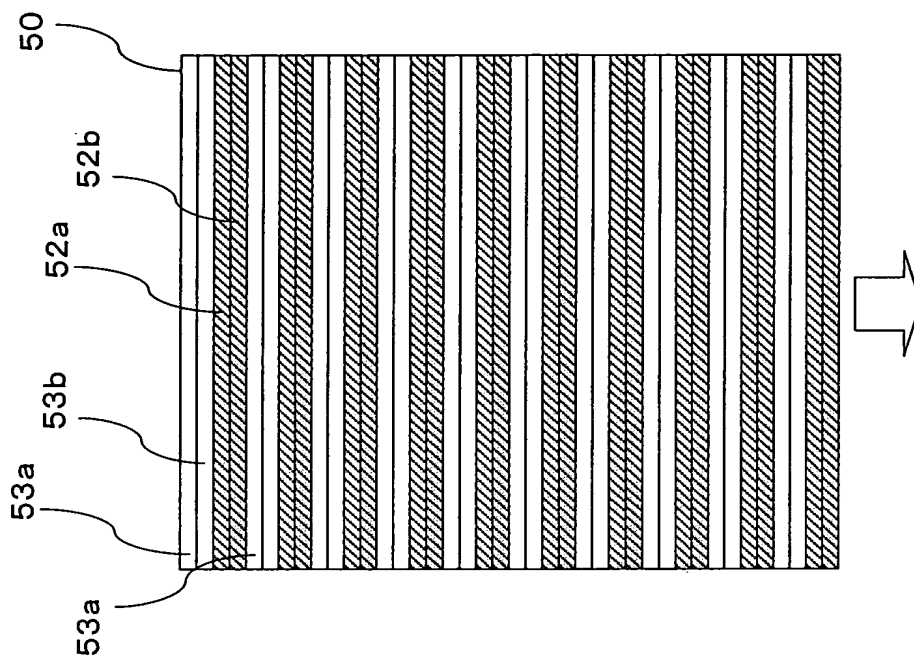
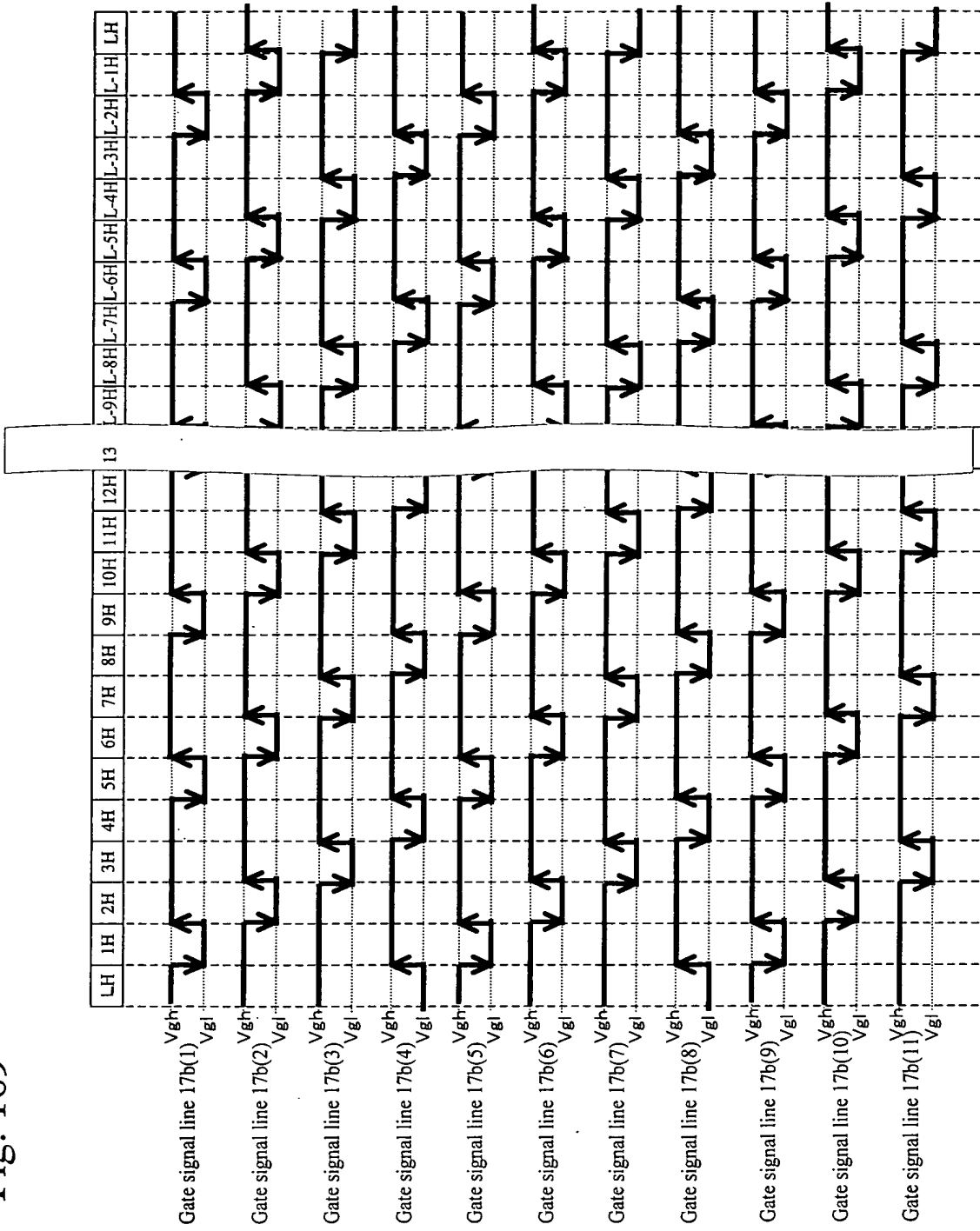


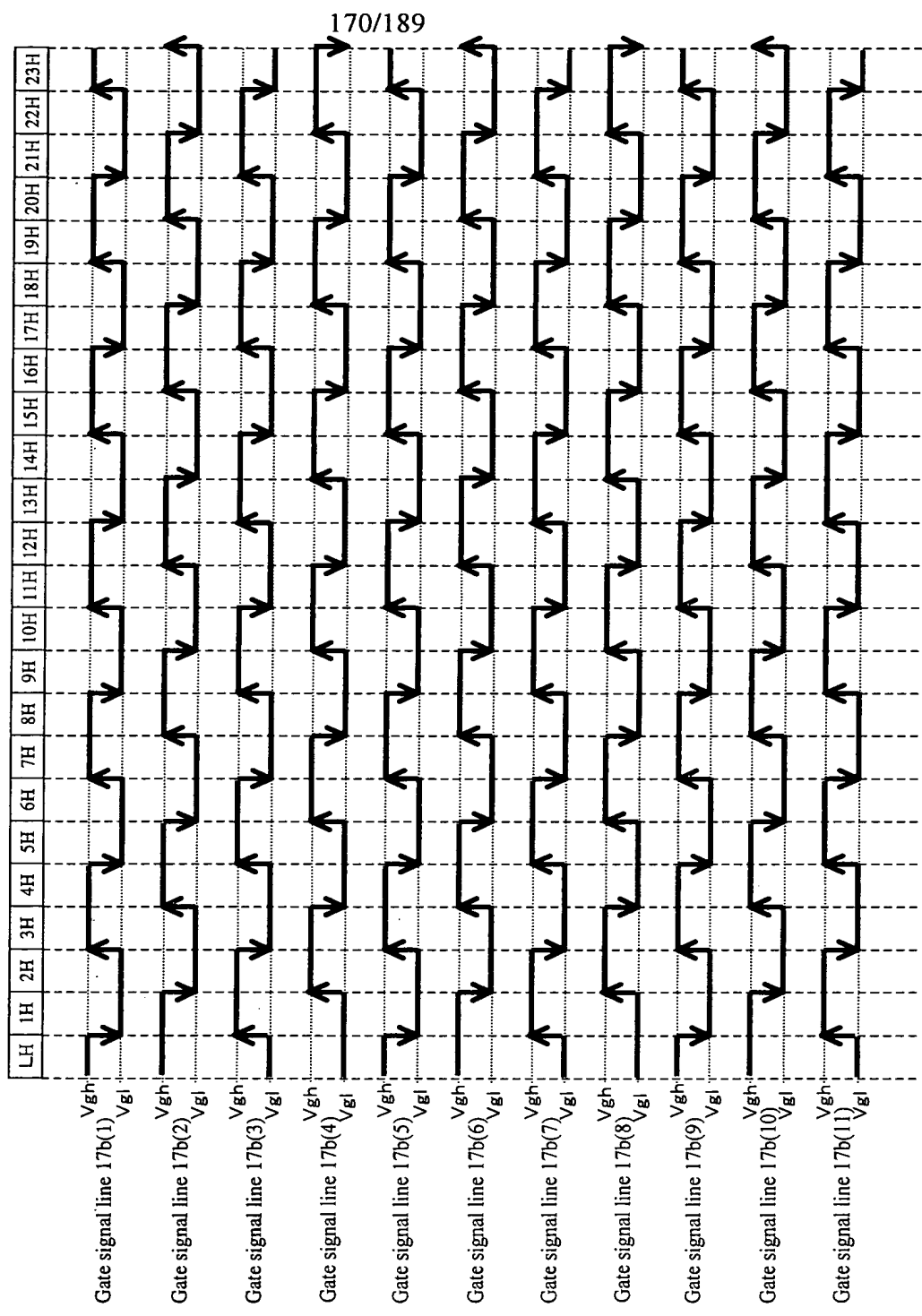


Fig. 169



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Fig. 170



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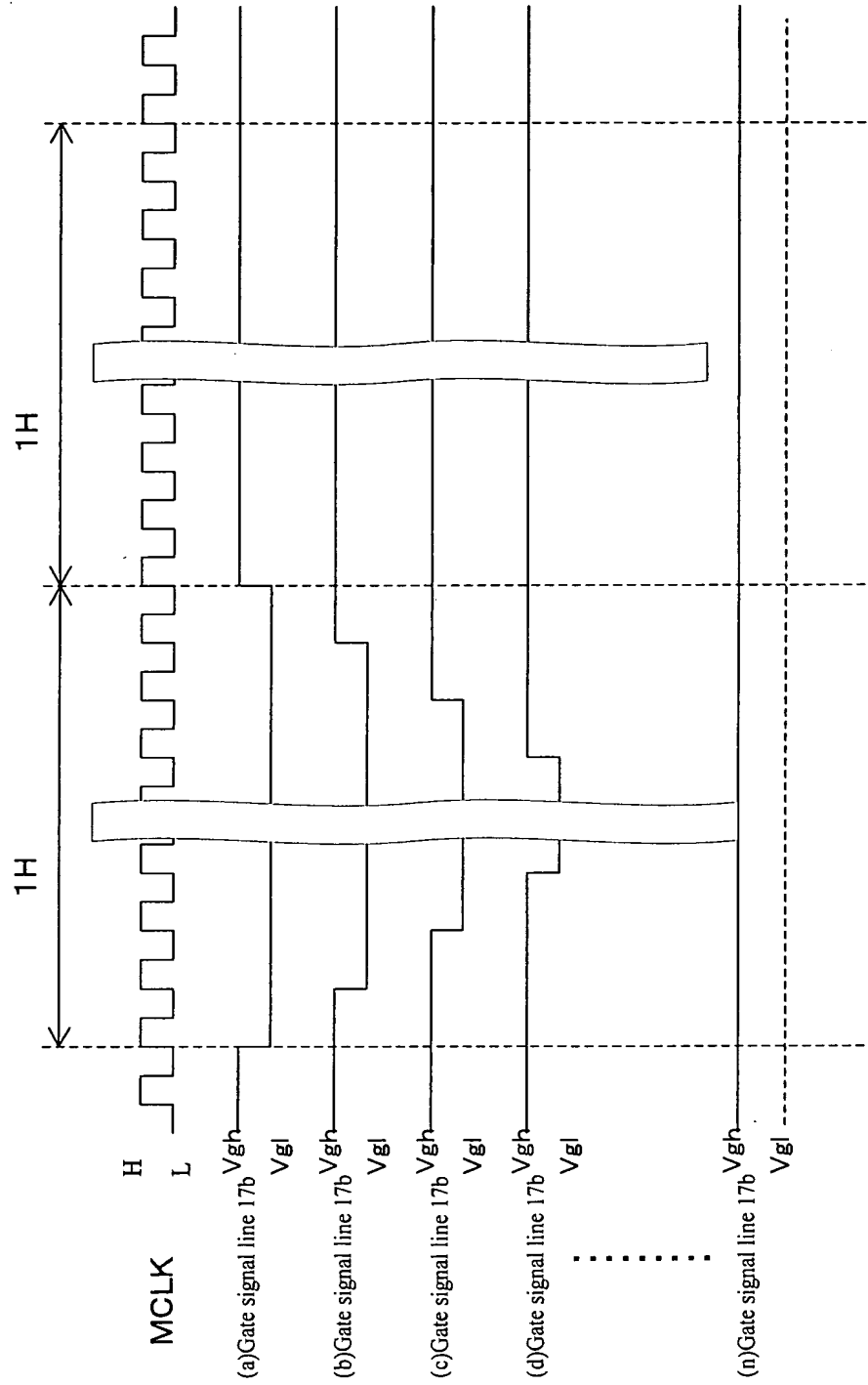


Fig. 171

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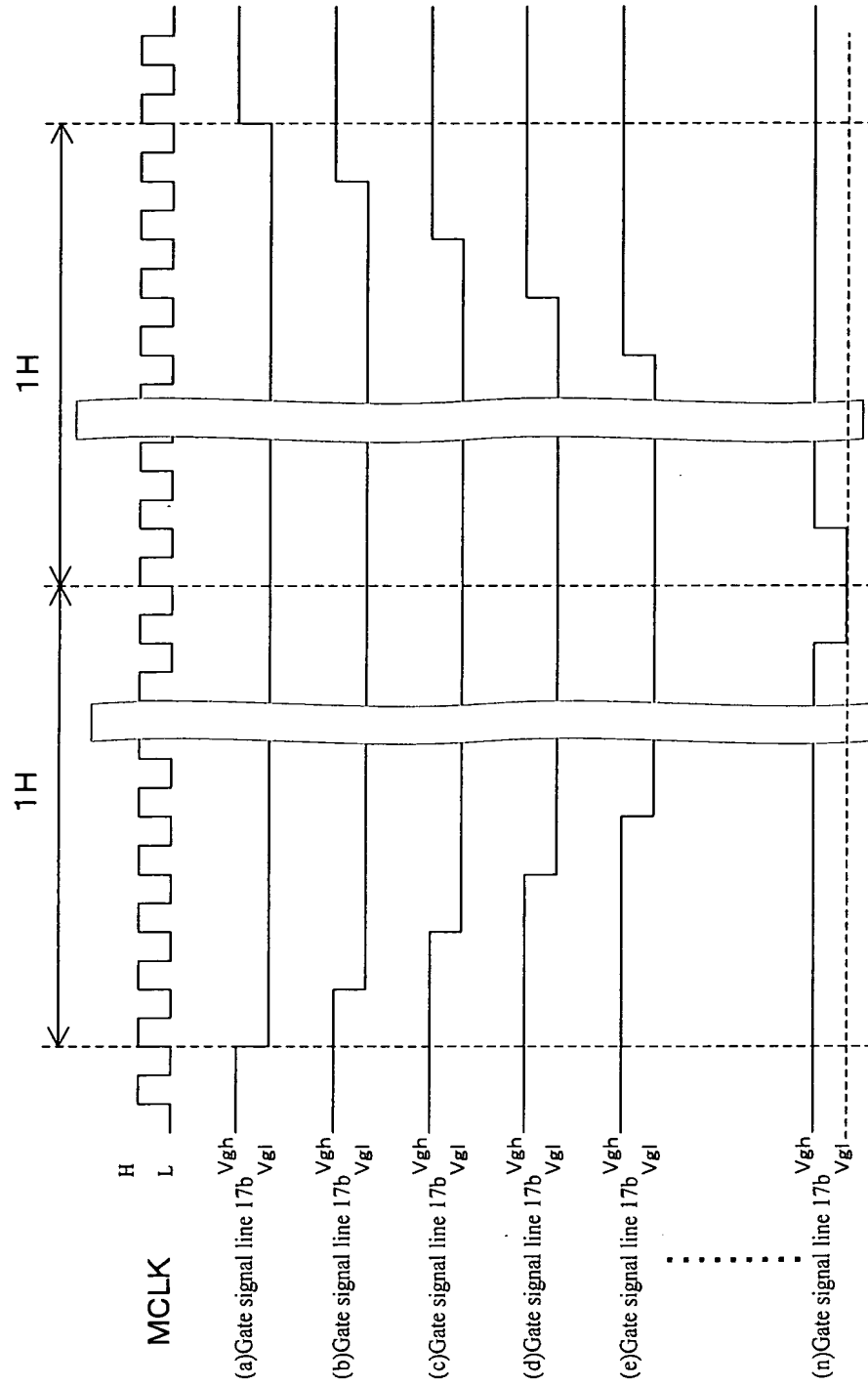


Fig. 172

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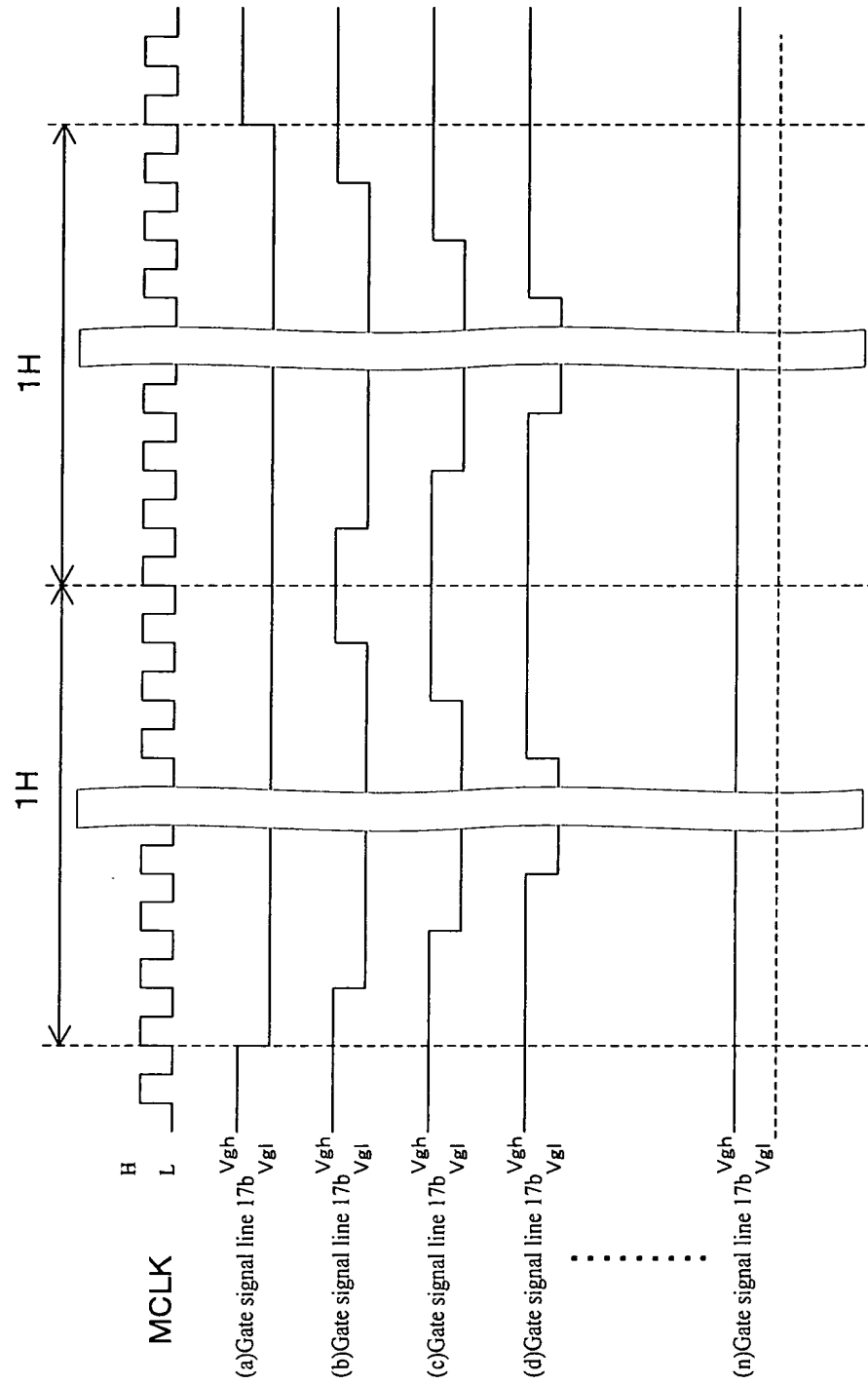


Fig. 173

Fig. 174 (a)

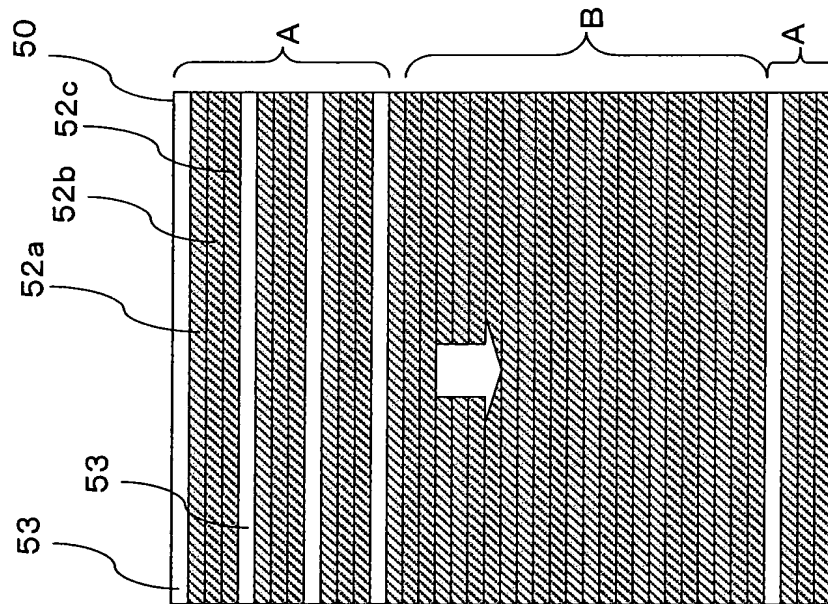


Fig. 174 (b)

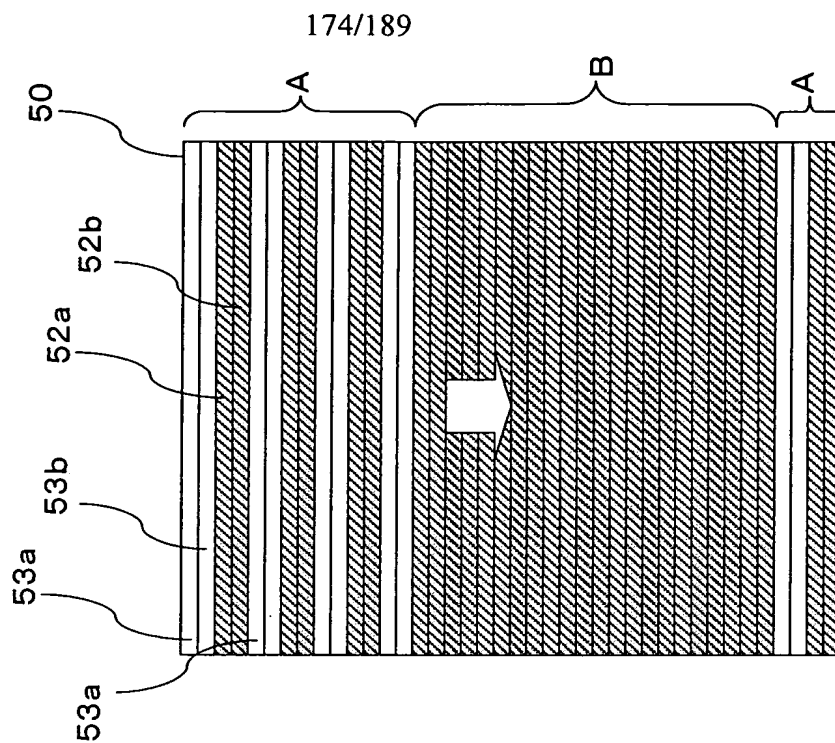


Fig. 175 (c)

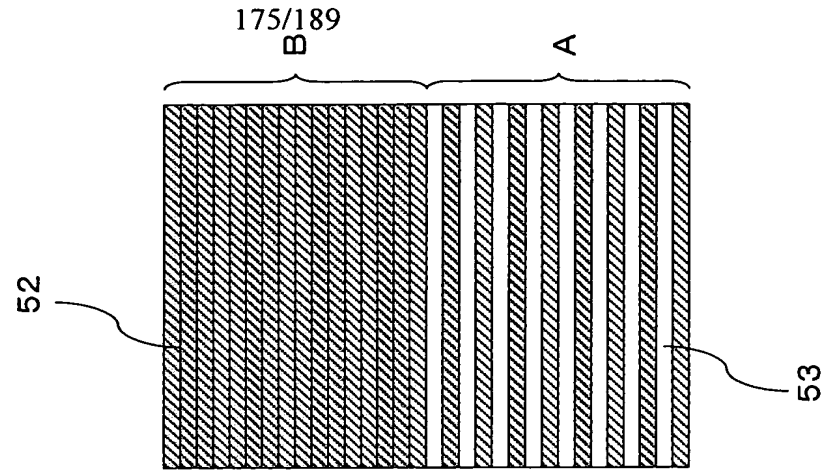


Fig. 175 (b)

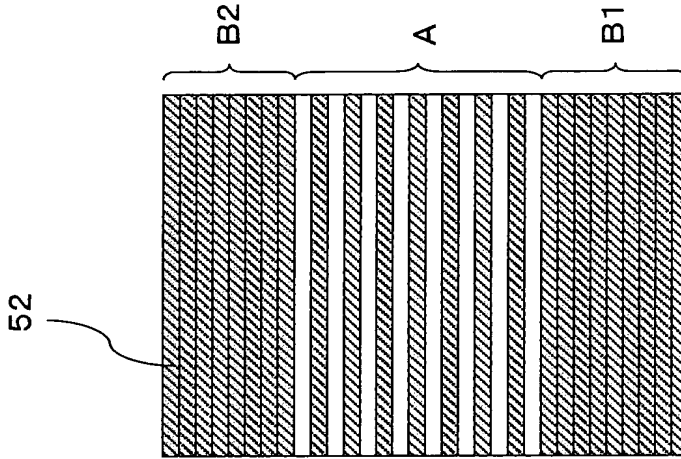


Fig. 175 (a)

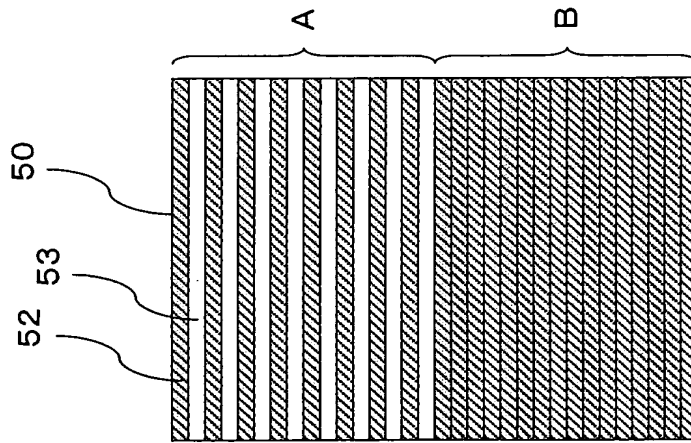


Fig. 176 (a)

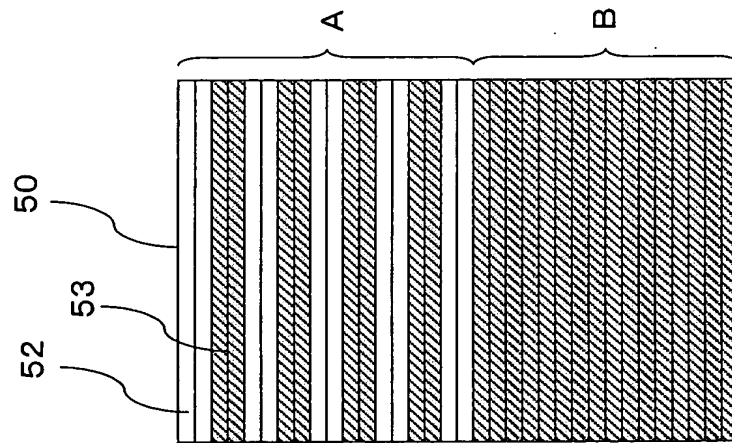


Fig. 176 (b)

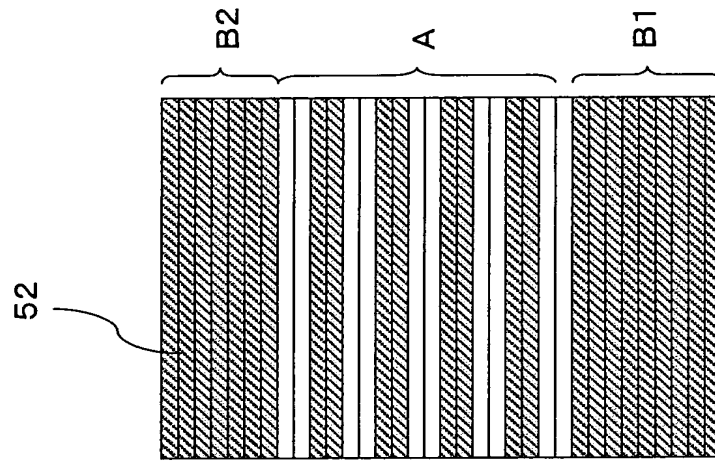
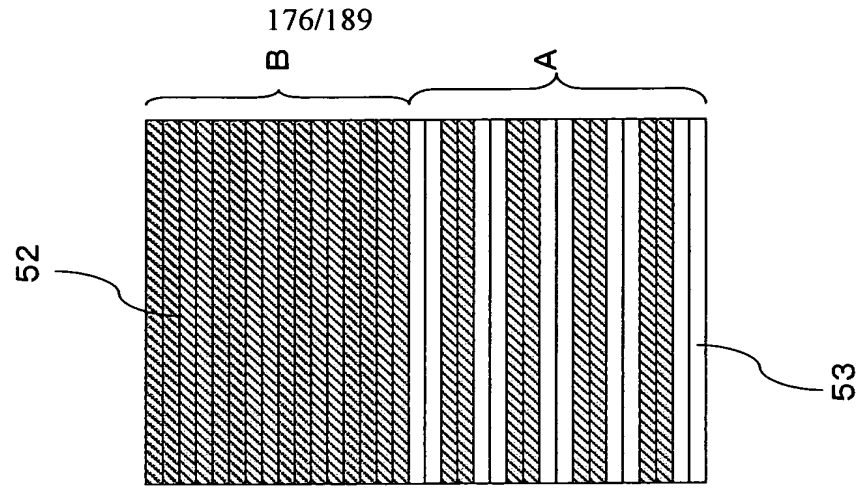


Fig. 176 (c)





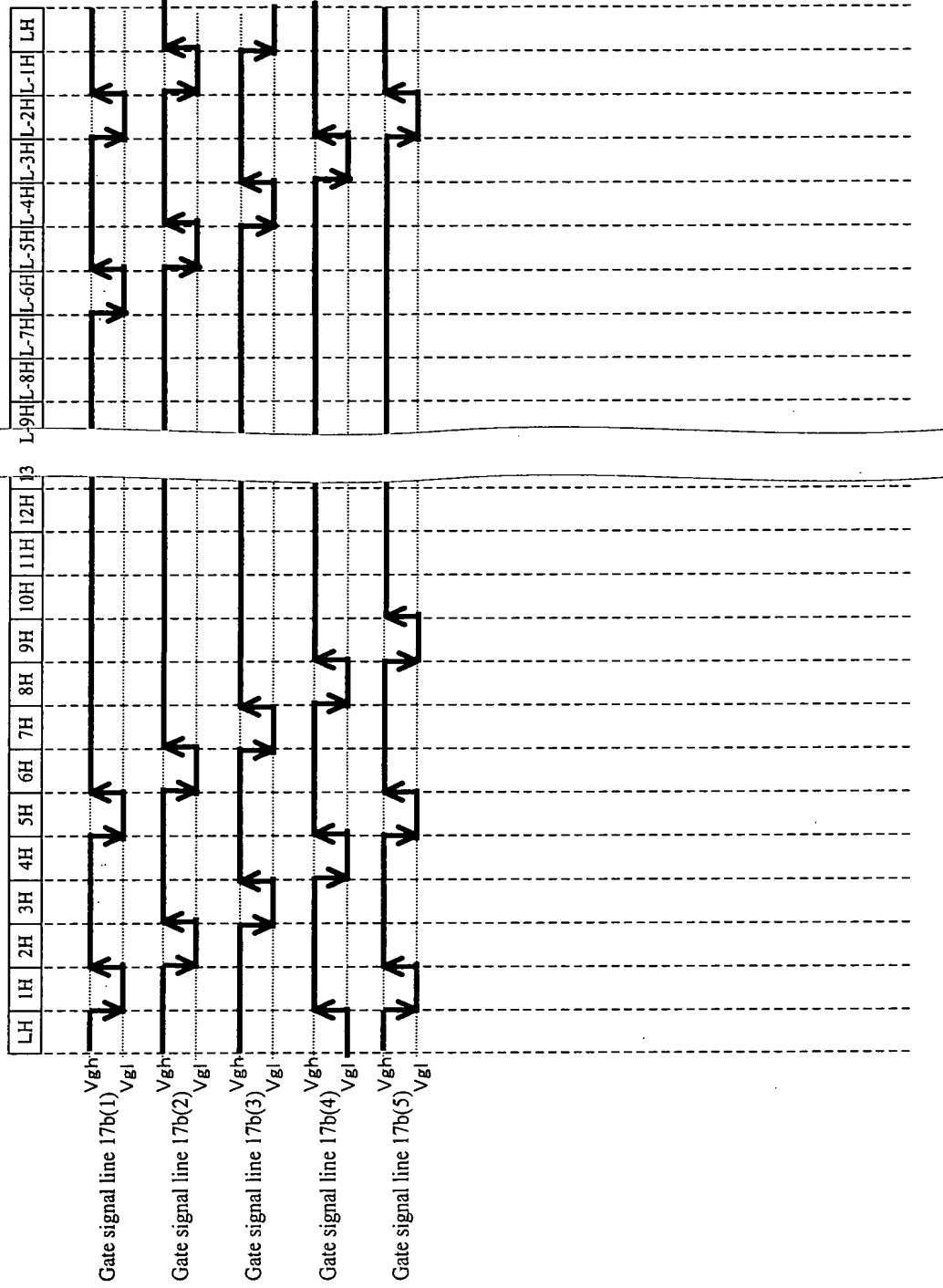
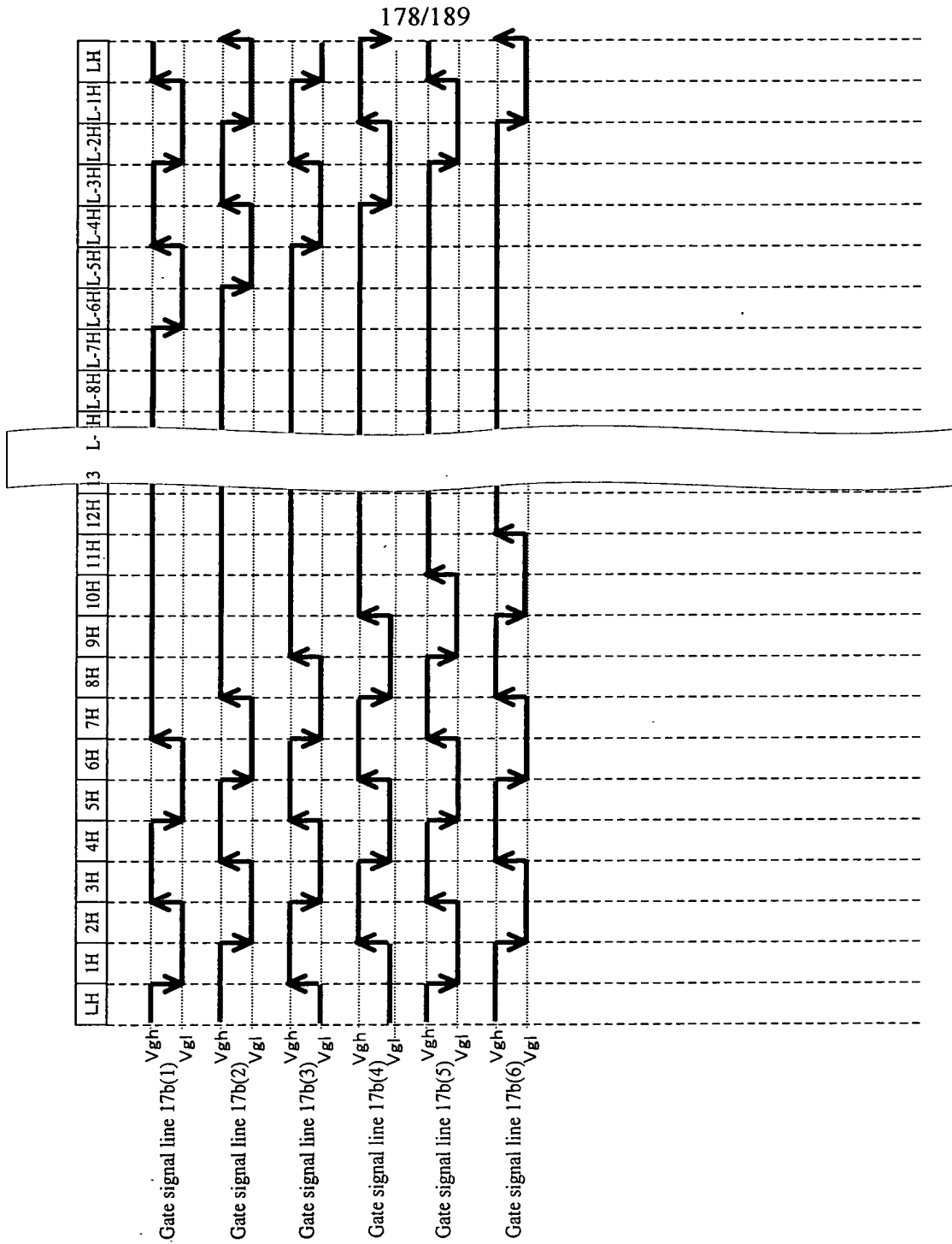


Fig. 178



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Fig. 179 (b)

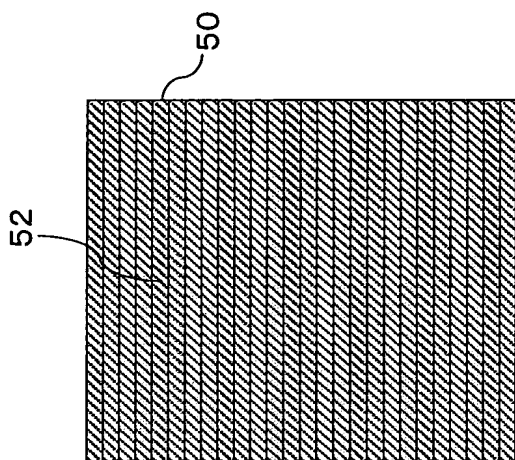


Fig. 179 (d)

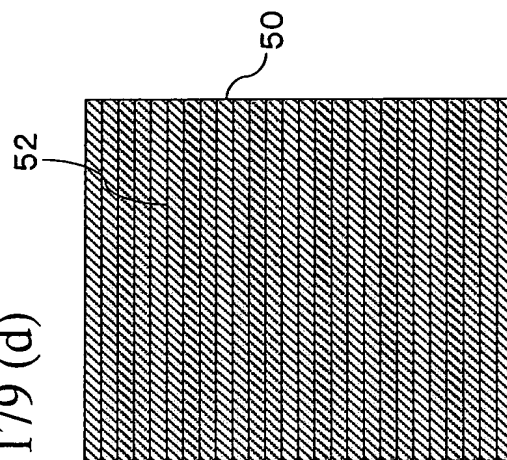


Fig. 179 (a)

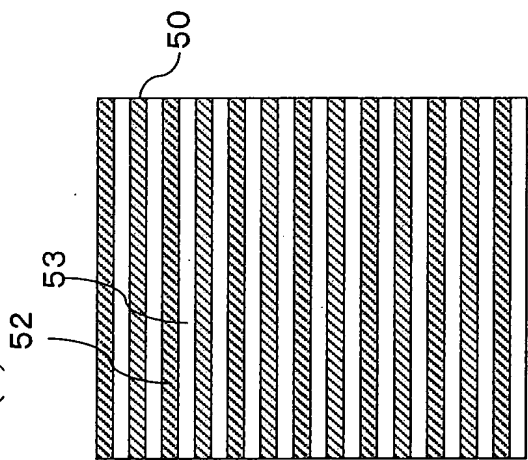
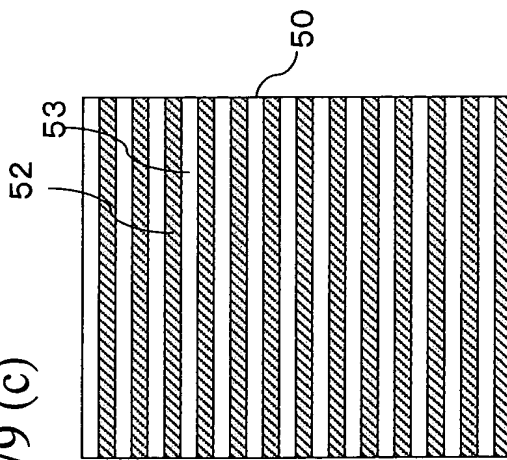


Fig. 179 (c)



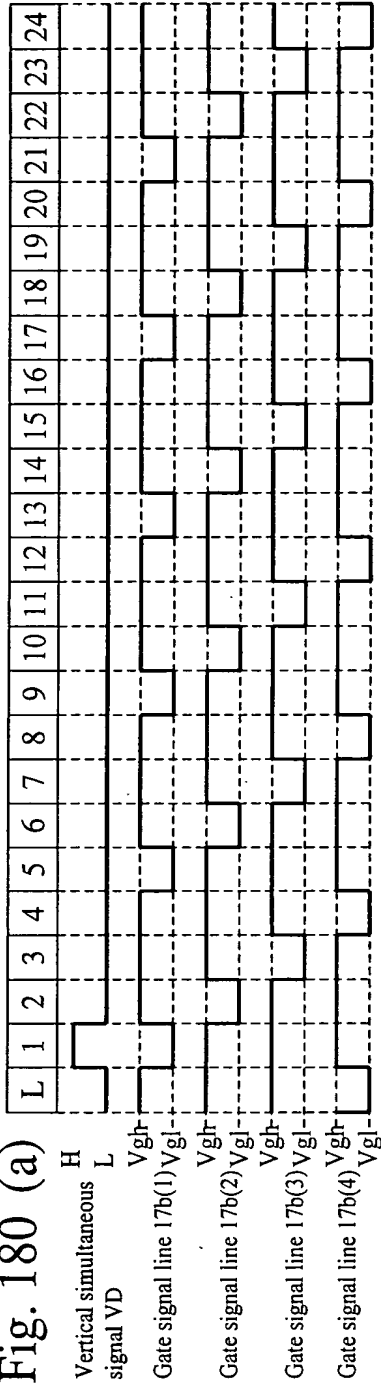


Fig. 180 (b)

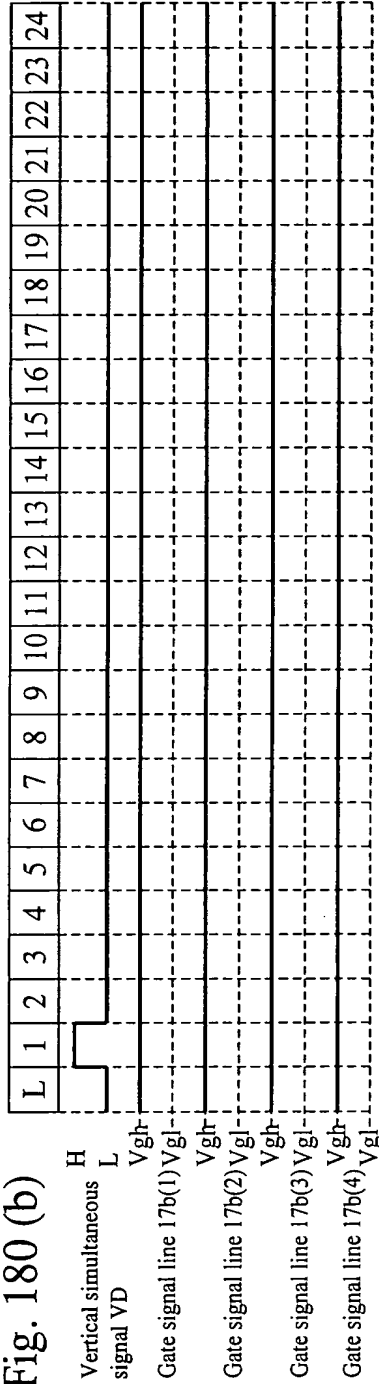
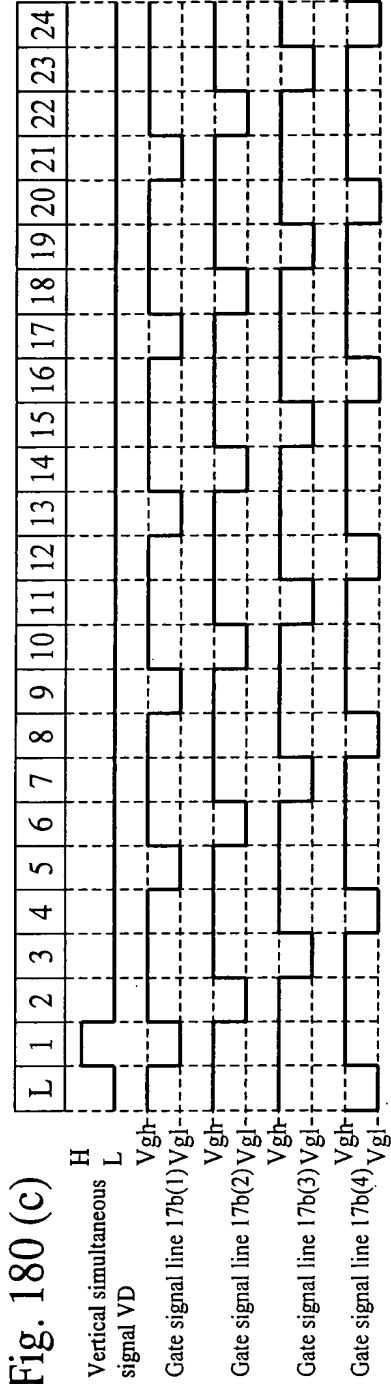


Fig. 180(c)





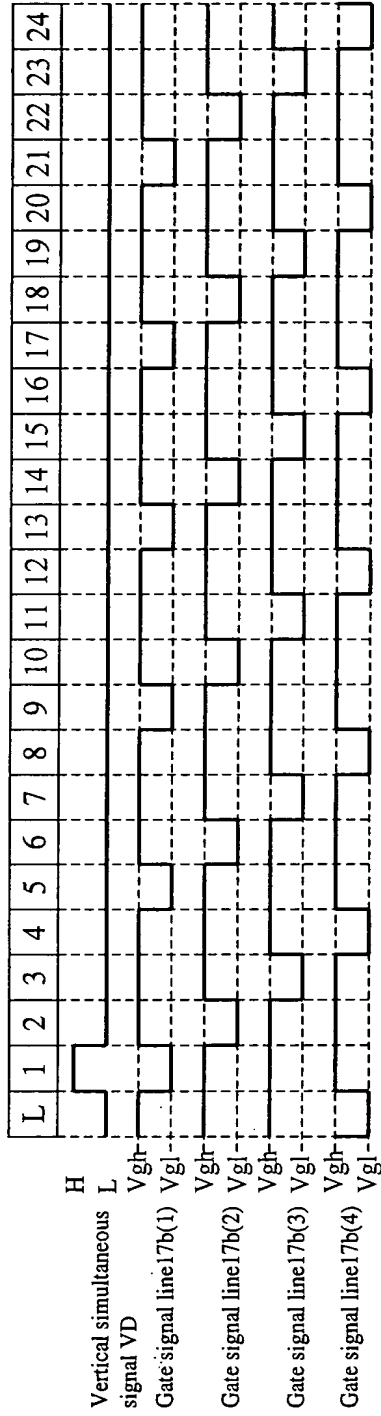
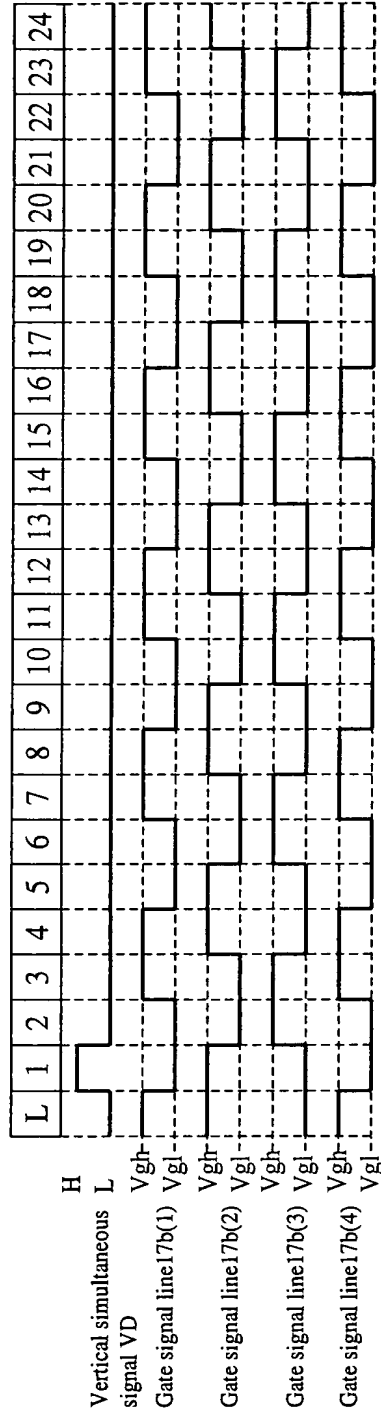
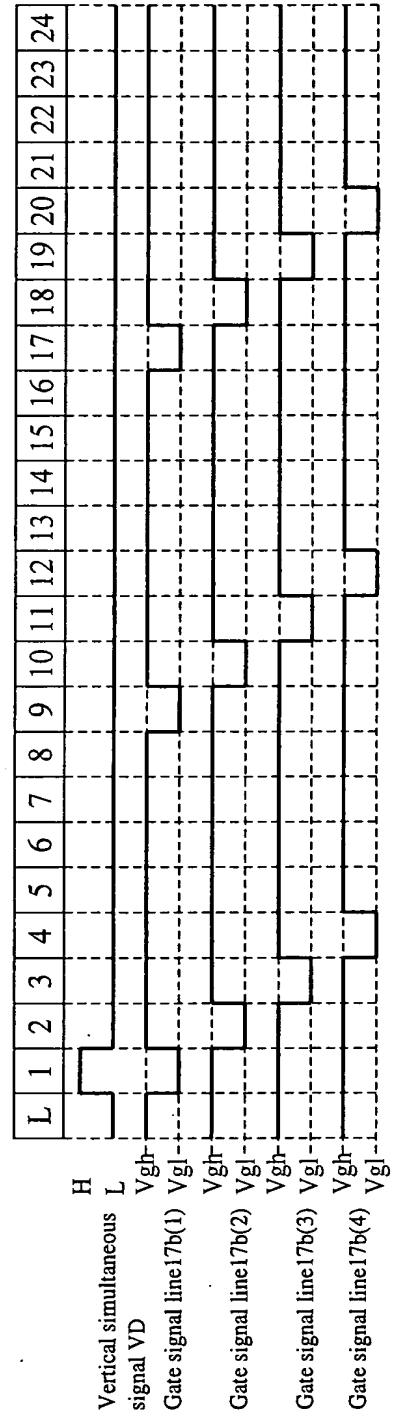


Fig. 182 (b)



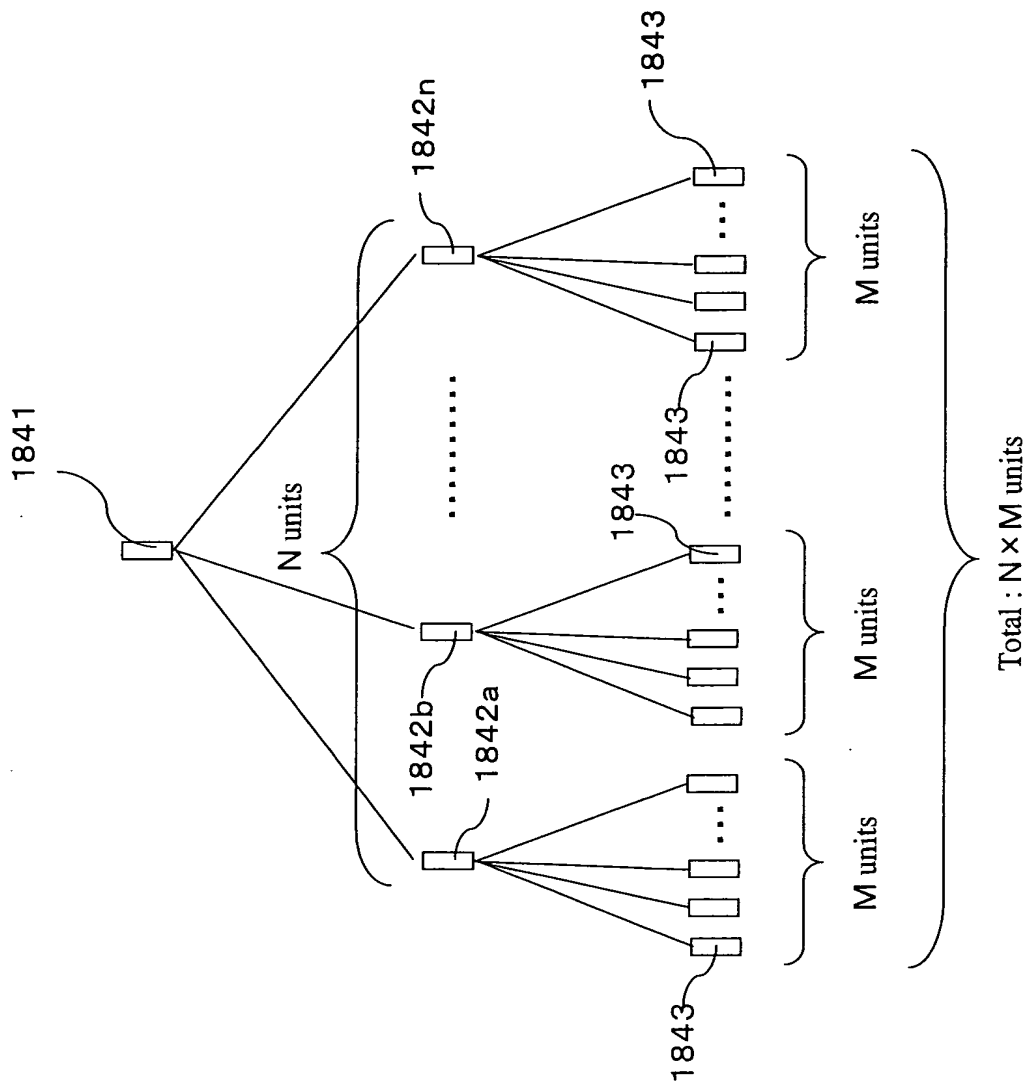
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Fig. 183



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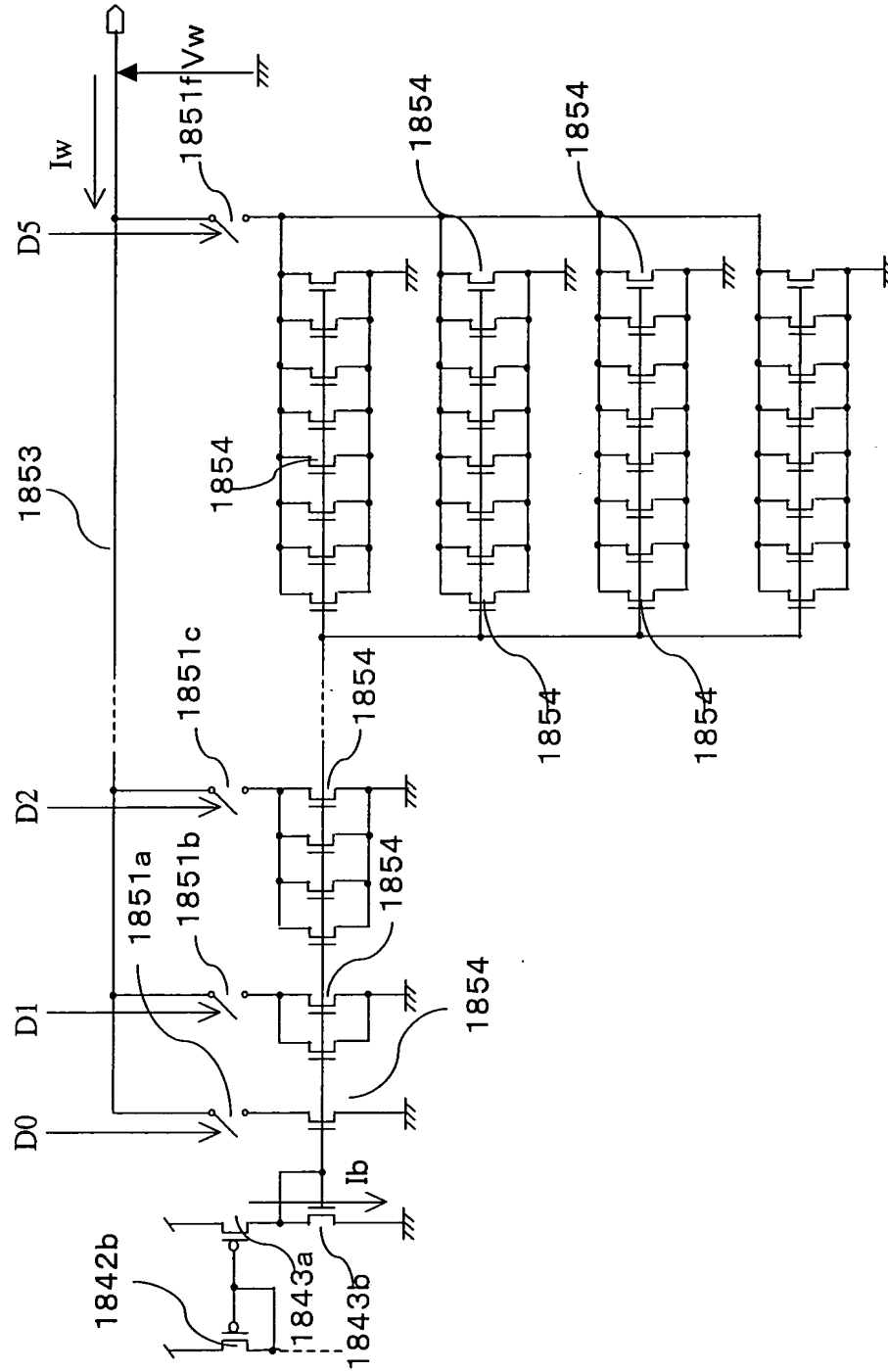
Fig. 184





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Fig. 185



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Fig. 186

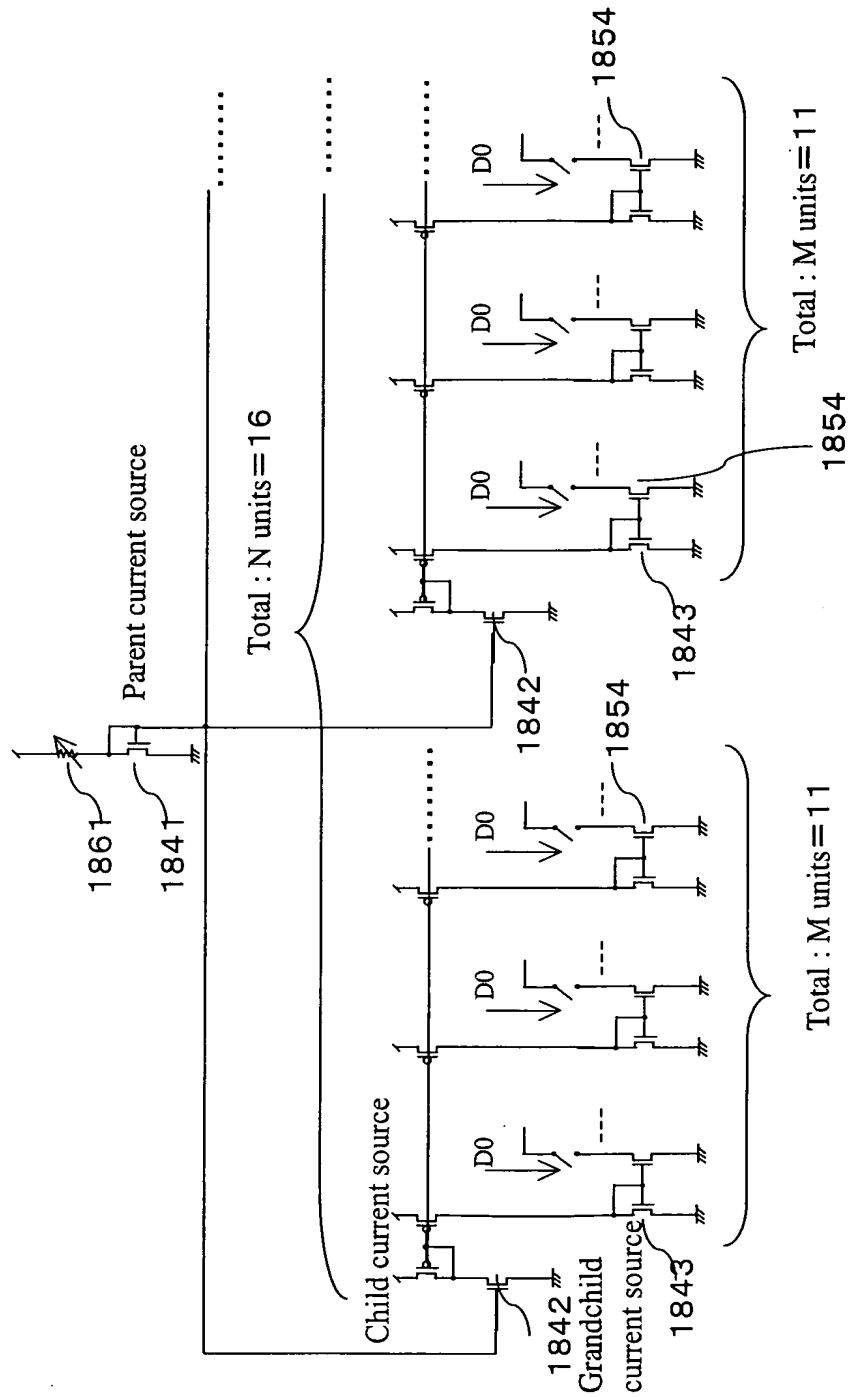
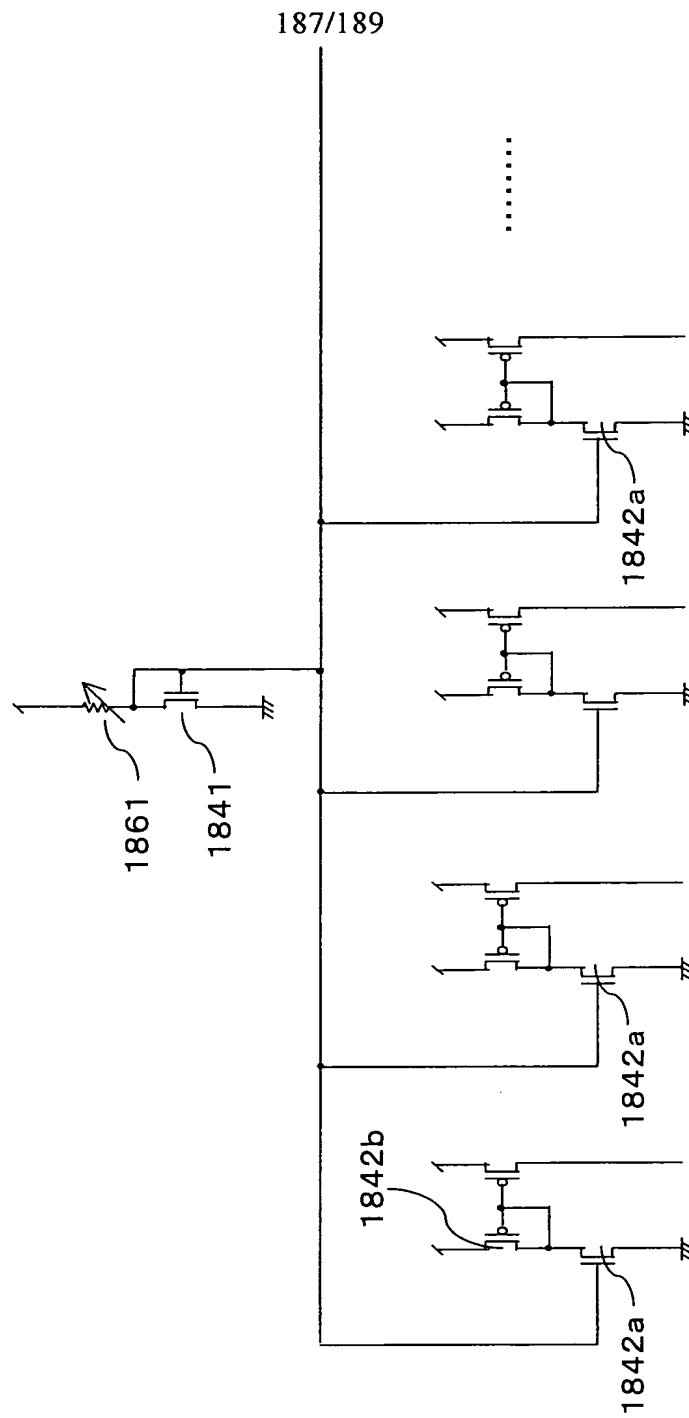


Fig. 187



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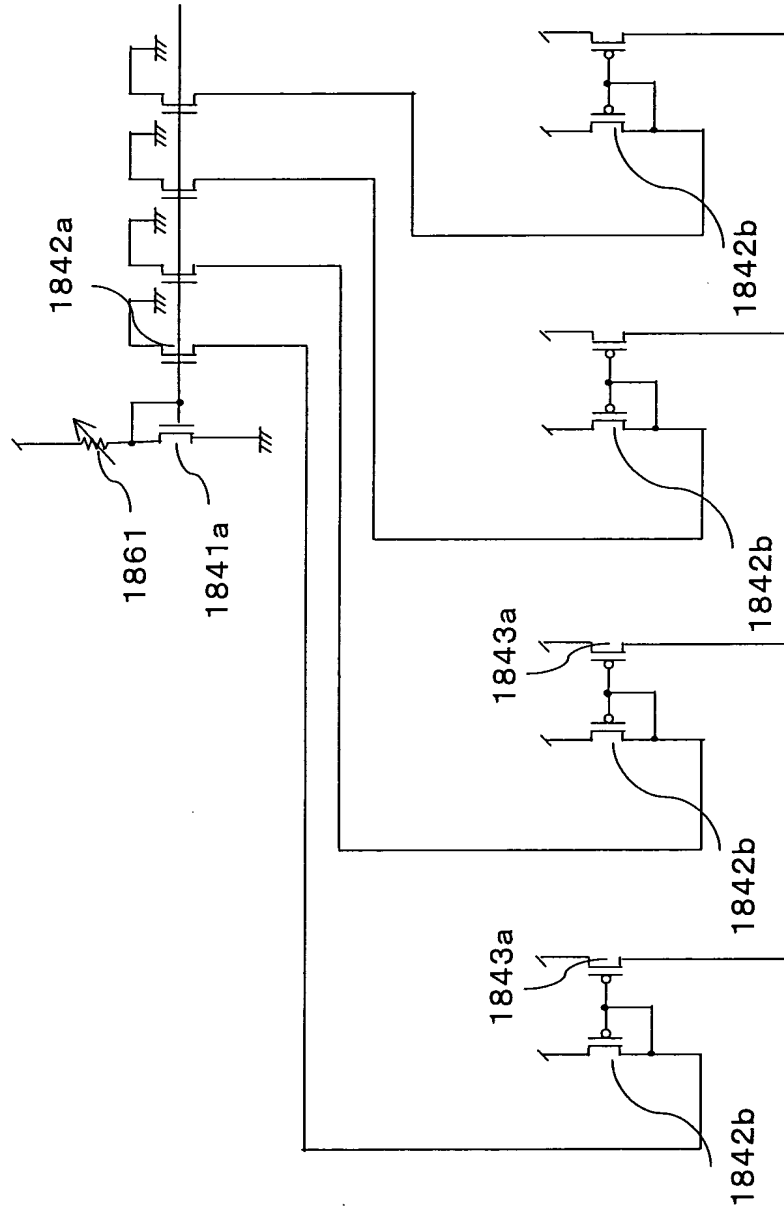


Fig. 188

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Fig. 189

